

Converting Colors

$Yxy(91.6206, 0.2954, 0.3452)$

Have a look what the booklet for
Yxy(91.6206, 0.2954, 0.3452)
contains.

Yxy(91.7490, 0.2957, 0.3456)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(91.7490, 0.2957, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFEF
RGB	212, 255, 239
RGB Percent	83%, 100%, 94%
CMY	0.1684, 0.0000, 0.0628
CMYK	0.17, 0.00, 0.06, 0.00
HSL	158°, 100%, 92%
HSV	158°, 17%, 100%
XYZ	78.5017, 91.7490, 95.2268
YIQ	240.3190, -20.4920, -14.0920

Conversions

Conversions Part 2

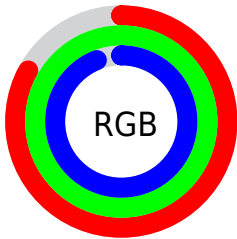
Format	Color
R _Y B	212, 238, 255
Decimal	13959151
CIE Lab	96.72, -16.73, 3.08
CIE LCh	97, 17.013, 169.576
Yxy	91.7490, 0.2957, 0.3456
Android (android.graphics.Color)	4292149231 (0xFFD4FFEF)
YUV	240.3190, -0.6503, -24.8358
Hunter-Lab	95.7857, -21.3344, 8.1060

Details

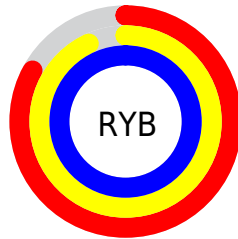
The Yxy color **91.7490, 0.2957, 0.3456** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9778, 0.3334, 0.3130**, and the grayscale version is **87.4268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9752, 0.2921, 0.3491** is the 20% darker color. If you saturate the color by 10%, you get **87.7095, 0.2863, 0.3569**, and if you desaturate by 10%, it is **96.4242, 0.3057, 0.3354**.

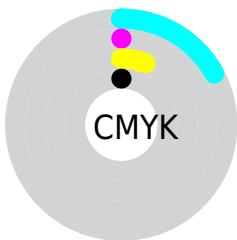
Distribution



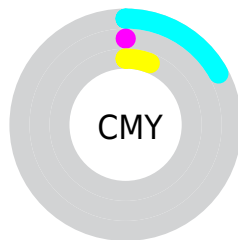
- Red (83%)
- Green (100%)
- Blue (94%)



- Red (83%)
- Yellow (93%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.7490, 0.2957, 0.3456 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 91.7490, 0.2957, 0.3456 by changing the saturation by 10% instead.


 91.7490, 0.2957,
0.3456

 91.7490, 0.2957,
0.3456


533.7040, 0.3033,
0.3382

 69.4322, 0.2940,
0.3473


149.7655, 0.2983,
0.3431

 51.0638, 0.2920,
0.3493


186.2339, 0.2993,
0.3421

 36.2593, 0.2895,
0.3518


228.1883, 0.3002,
0.3412

 24.6346, 0.2862,
0.3550

276.0131, 0.3010,
0.3404

 15.8050, 0.2819,
0.3593

330.0927, 0.3016,
0.3398

 9.3863, 0.2760,
0.3653

390.8114, 0.3023,

 4.9940, 0.2673,

0.3392

0.3742

458.5537, 0.3028,
0.3386

■ 2.2437, 0.2531,
0.3890

■ 0.7437, 0.1823,
0.4544

■ 91.7490, 0.2957,
0.3456

■ 91.7490, 0.2957,
0.3456

■ 87.7095, 0.2863,
0.3569


■ 96.4242, 0.3057,
0.3354


■ 84.2657, 0.2777,
0.3691

99.9960, 0.3127,
0.3290


■ 81.3907, 0.2702,
0.3823

■ 79.0511, 0.2643,
0.3962

 77.2096, 0.2602,
0.4106

 75.8243, 0.2580,
0.4253

 74.8457, 0.2580,
0.4399

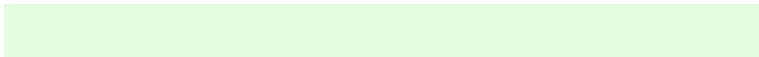
 74.2116, 0.2599,
0.4542

 74.0532, 0.2607,
0.4586

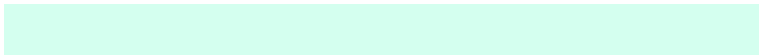
Harmonies

Analogous

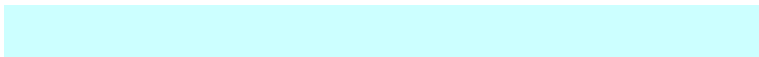
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7490, 0.3141, 0.3584



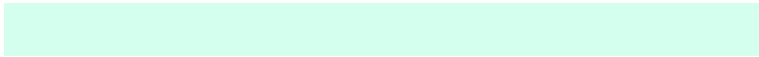
91.7490, 0.2957, 0.3456



91.7490, 0.2821, 0.3282

Triad

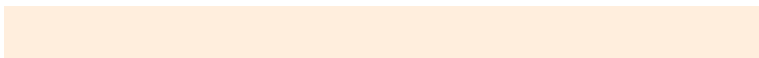
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.7490, 0.2957, 0.3456



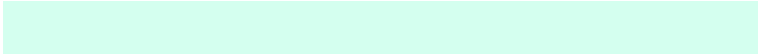
91.7490, 0.2925, 0.2971



91.7490, 0.3503, 0.3446

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



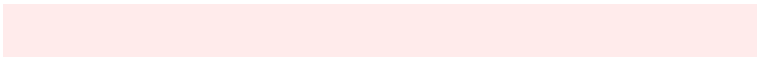
91.7490, 0.2957, 0.3456



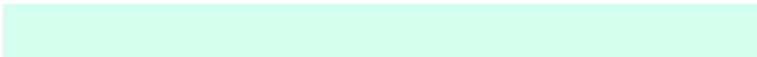
73.9778, 0.3334, 0.3130

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.7490, 0.3442, 0.3286



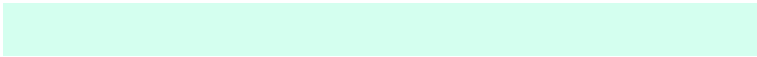
91.7490, 0.2957, 0.3456



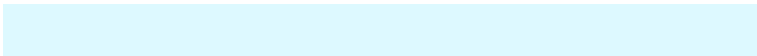
91.7490, 0.3104, 0.3018

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.7490, 0.2957, 0.3456



91.7490, 0.2802, 0.3005



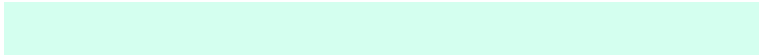
91.7490, 0.3294, 0.3131



91.7490, 0.3460, 0.3572

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



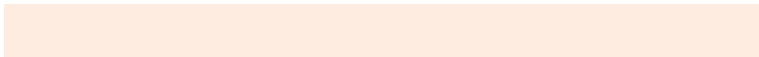
91.7490, 0.2957, 0.3456



91.7490, 0.2773, 0.3168



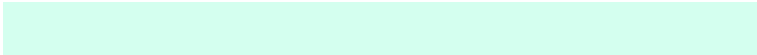
91.7490, 0.3294, 0.3131



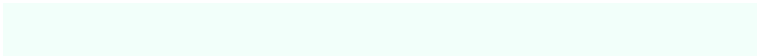
91.7490, 0.3494, 0.3394

Sweetspot

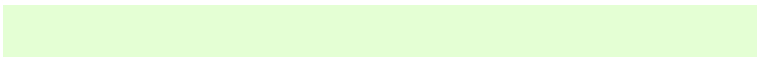
The Sweet Spot groups the original color and five complimentary colors.



91.7528, 0.2957, 0.3456



97.3593, 0.3076, 0.3336



92.8506, 0.3209, 0.3733



20.7623, 0.3069, 0.3343



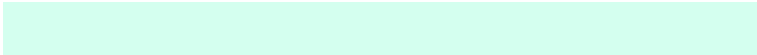
0.0000, 0.0000, 0.0000



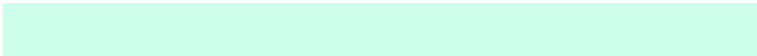
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.7528, 0.2957, 0.3456



90.4133, 0.2926, 0.3491



89.5862, 0.2869, 0.3238



20.3599, 0.3030, 0.3380



38.7264, 0.2601, 0.4563



3.7918, 0.2556, 0.4400

Inverse Universe

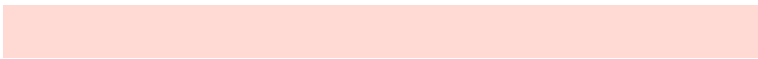
The Inverse Universe completely reimagines the original color for something new.



73.9778, 0.3334, 0.3130



69.7737, 0.3382, 0.3098



75.6740, 0.3443, 0.3342



18.0990, 0.3235, 0.3202



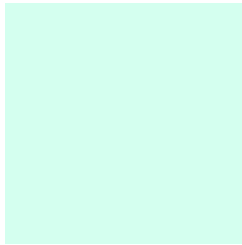
11.5672, 0.5495, 0.2800



1.1466, 0.5184, 0.2630

Previews

White Background



This preview shows how the Yxy color 91.7490, 0.2957, 0.3456 looks on a white background.

Color Contrast Check

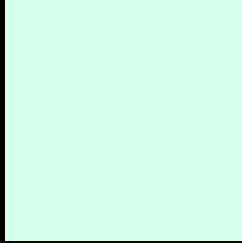
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 91.7490, 0.2957, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

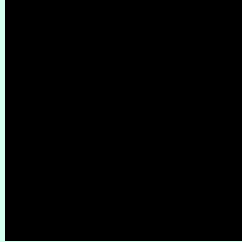
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

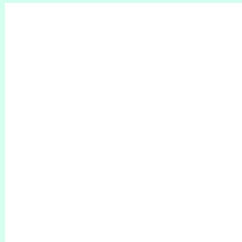
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.7490, 0.2957, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 91.7490, 0.2957, 0.3456.

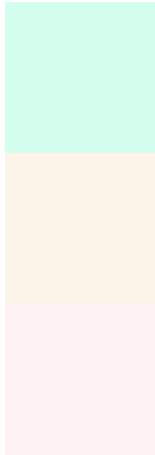


This preview shows how white text looks on a background with the Yxy color 91.7490, 0.2957, 0.3456.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

91.7490, 0.2957, 0.3456

Protanopia

91.2800, 0.3247, 0.3398

Deuteranopia

91.2959, 0.3200, 0.3271



Tritanopia

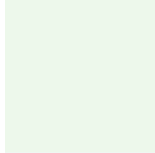
91.4037, 0.3006, 0.3210

Trichromacy



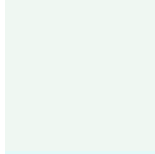
Original Color

91.7490, 0.2957, 0.3456



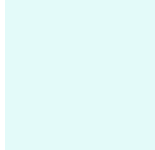
Protanomaly

91.1375, 0.3134, 0.3421



Deuteranomaly

91.2831, 0.3106, 0.3340



Tritanomaly

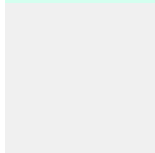
91.5417, 0.2990, 0.3300

Monochromacy



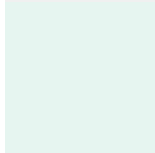
Original Color

91.7490, 0.2957, 0.3456



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.4191, 0.3061, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.7490, 0.2957, 0.3456 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(212, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(212, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 239) }
```

Border

The CSS property to change the border of an element to Yxy 91.7490, 0.2957, 0.3456 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 255, 239) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(212, 255, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(212, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 91.7490, 0.2957, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(212,  
255, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor