

Converting Colors

$Y_{xy}(125.3436, 0.2948, 0.3938)$

Have a look what the booklet for
Yxy(125.3436, 0.2948, 0.3938)
contains.

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Color

Yxy(90.7562, 0.2933, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFED
RGB	206, 255, 237
RGB Percent	81%, 100%, 93%
CMY	0.1919, 0.0000, 0.0706
CMYK	0.19, 0.00, 0.07, 0.00
HSL	158°, 100%, 90%
HSV	158°, 19%, 100%
XYZ	76.5128, 90.7562, 93.5997
YIQ	238.2970, -23.4260, -15.9860

Conversions

Conversions Part 2

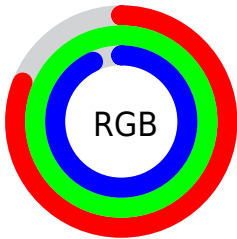
Format	Color
R _Y B	206, 236, 255
Decimal	13565933
CIE Lab	96.31, -18.97, 3.47
CIE LCh	96, 19.284, 169.633
Yxy	90.7562, 0.2933, 0.3479
Android (android.graphics.Color)	4291756013 (0xFFCEFFED)
YUV	238.2970, -0.6394, -28.3245
Hunter-Lab	95.2660, -23.3536, 8.4333

Details

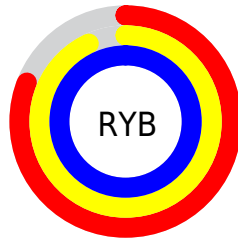
The Yxy color **90.7562, 0.2933, 0.3479** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.8202, 0.3371, 0.3109**, and the grayscale version is **85.7722, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3037, 0.2891, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **86.8660, 0.2840, 0.3593**, and if you desaturate by 10%, it is **95.2747, 0.3033, 0.3376**.

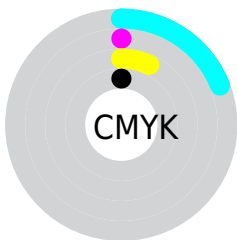
Distribution



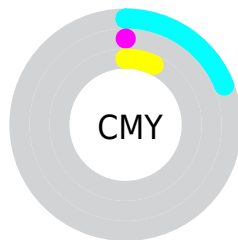
- Red (81%)
- Green (100%)
- Blue (93%)



- Red (81%)
- Yellow (93%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.7562, 0.2933, 0.3479 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 90.7562, 0.2933, 0.3479 by changing the saturation by 10% instead.


 90.7562, 0.2933,
0.3479

 90.7562, 0.2933,
0.3479

530.4877, 0.3020,
0.3394

 68.6080, 0.2914,
0.3498


148.3883, 0.2963,
0.3450

 50.3925, 0.2890,
0.3521


184.6411, 0.2974,
0.3438

 35.7254, 0.2861,
0.3550


226.3641, 0.2984,
0.3429

 24.2222, 0.2824,
0.3587

273.9419, 0.2993,
0.3420

 15.4985, 0.2775,
0.3637

327.7587, 0.3001,
0.3412

 9.1700, 0.2706,
0.3706

388.1990, 0.3008,

 4.8522, 0.2605,

0.3405

0.3810

455.6472, 0.3014,
0.3399

■ 2.1608, 0.2440,
0.3984

■ 0.6985, 0.1417,
0.4929

■ 90.7562, 0.2933,
0.3479

■ 90.7562, 0.2933,
0.3479

■ 86.8660, 0.2840,
0.3593

■ 95.2747, 0.3033,
0.3376

■ 83.5639, 0.2756,
0.3716

99.9940, 0.3127,
0.3290

■ 80.8223, 0.2684,
0.3848

■ 78.6070, 0.2629,
0.3986

■ 76.8798, 0.2591,
0.4129

■ 75.5973, 0.2574,
0.4274

■ 74.7078, 0.2578,
0.4417

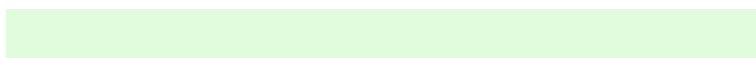
■ 74.1343, 0.2600,
0.4557

■ 74.0938, 0.2602,
0.4569

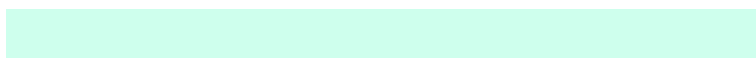
Harmonies

Analogous

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



90.7562, 0.3142, 0.3626



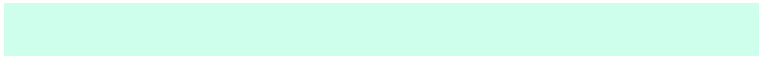
90.7562, 0.2933, 0.3479



90.7562, 0.2779, 0.3279

Triad

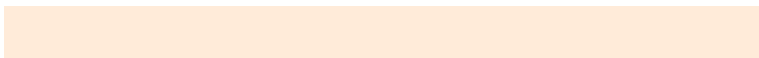
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7562, 0.2933, 0.3479



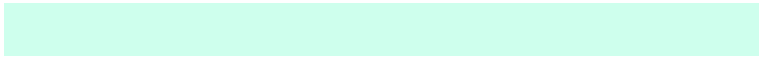
90.7562, 0.2897, 0.2929



90.7562, 0.3556, 0.3466

Complementary

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



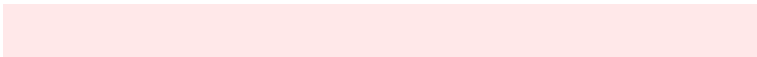
90.7562, 0.2933, 0.3479



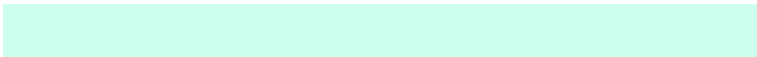
70.8202, 0.3371, 0.3109

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.



90.7562, 0.3486, 0.3284



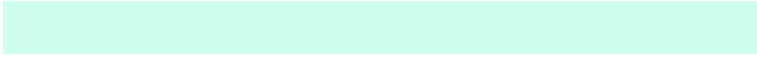
90.7562, 0.2933, 0.3479



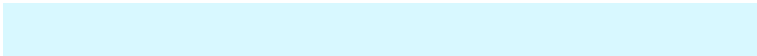
90.7562, 0.3101, 0.2982

Square

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



90.7562, 0.2933, 0.3479



90.7562, 0.2759, 0.2966



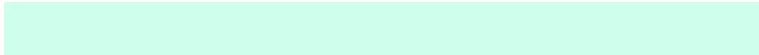
90.7562, 0.3318, 0.3110



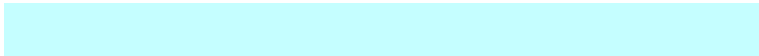
90.7562, 0.3505, 0.3610

Rectangle

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



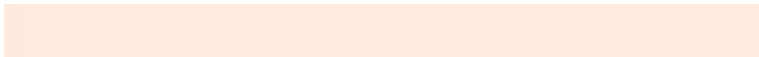
90.7562, 0.2933, 0.3479



90.7562, 0.2726, 0.3149



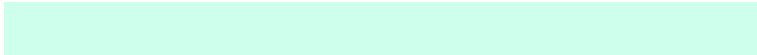
90.7562, 0.3318, 0.3110



90.7562, 0.3546, 0.3407

Sweetspot

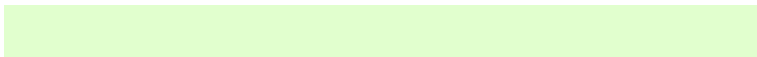
The Sweet Spot groups the original color and five complimentary colors.



90.7600, 0.2933, 0.3479



96.8556, 0.3065, 0.3345



91.9528, 0.3220, 0.3801



20.6609, 0.3058, 0.3351



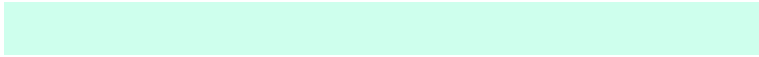
0.0000, 0.0000, 0.0000



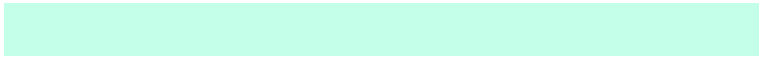
21.4041, 0.3127, 0.3290

Same Dimension

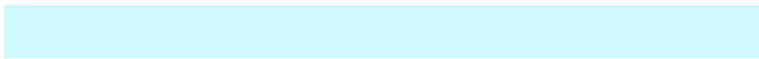
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7600, 0.2933, 0.3479



89.2102, 0.2897, 0.3521



88.2779, 0.2835, 0.3230



20.3614, 0.3029, 0.3379



38.7486, 0.2596, 0.4545



3.7939, 0.2552, 0.4385

Inverse Universe

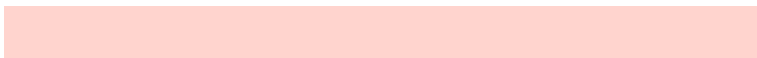
The Inverse Universe completely reimagines the original color for something new.



70.8202, 0.3371, 0.3109



65.9560, 0.3432, 0.3071



72.6938, 0.3496, 0.3349



18.0976, 0.3236, 0.3203



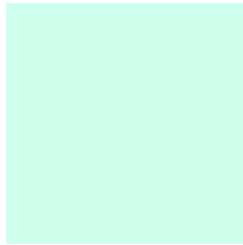
11.5555, 0.5513, 0.2811



1.1453, 0.5202, 0.2639

Previews

White Background



This preview shows how the Yxy color 90.7562, 0.2933, 0.3479 looks on a white background.

Color Contrast Check

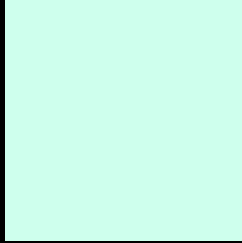
Large Text (above 18pt) WCAG AA × Fail

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 90.7562, 0.2933, 0.3479 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

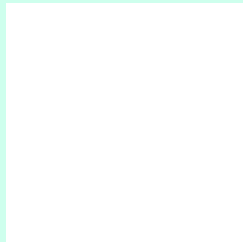
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7562, 0.2933, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 90.7562, 0.2933, 0.3479.

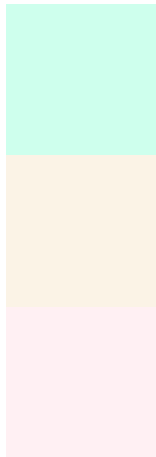


This preview shows how white text looks on a background with the Yxy color 90.7562, 0.2933, 0.3479.

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

90.7562, 0.2933, 0.3479

Protanopia

90.3236, 0.3260, 0.3419

Deuteranopia

90.0512, 0.3208, 0.3261



Tritanopia

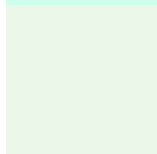
90.1205, 0.2981, 0.3200

Trichromacy



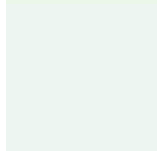
Original Color

90.7562, 0.2933, 0.3479



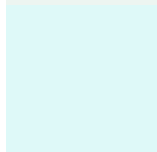
Protanomaly

90.0669, 0.3133, 0.3432



Deuteranomaly

89.6602, 0.3100, 0.3330



Tritanomaly

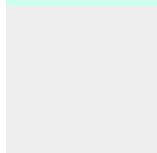
90.0583, 0.2966, 0.3300

Monochromacy



Original Color

90.7562, 0.2933, 0.3479



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0432, 0.3048, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7562, 0.2933, 0.3479 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(206, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 237)  
}
```

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(206, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 90.7562, 0.2933, 0.3479 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(206, 255, 237) }
```

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

```
.border{ border-color:rgb(206, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7562, 0.2933, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 237) }
```

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

```
.background{ background-color: rgb(206,  
255, 237) }
```

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](#).

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