

Converting Colors

$Yxy(90.8899, 0.3097, 0.3535)$

Have a look what the booklet for
Yxy(90.8899, 0.3097, 0.3535)
contains.

Yxy(91.2298, 0.3097, 0.3537)	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(91.2298, 0.3097, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	E1FCE4
RGB	225, 252, 228
RGB Percent	88%, 99%, 89%
CMY	0.1174, 0.0118, 0.1058
CMYK	0.11, 0.00, 0.10, 0.01
HSL	127°, 82%, 94%
HSV	127°, 11%, 99%
XYZ	79.8809, 91.2298, 86.8192
YIQ	241.1910, -8.3880, -13.1880

Conversions

Conversions Part 2

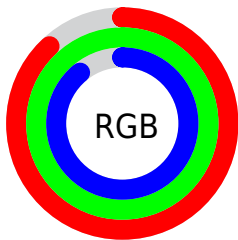
Format	Color
R _Y B	225, 249, 252
Decimal	14810340
CIE Lab	96.50, -13.08, 8.51
CIE LCh	97, 15.609, 146.944
Yxy	91.2298, 0.3097, 0.3537
Android (android.graphics.Color)	4293000420 (0xFFE1FCE4)
YUV	241.1910, -6.5032, -14.1995
Hunter-Lab	95.5143, -17.8662, 12.9674

Details

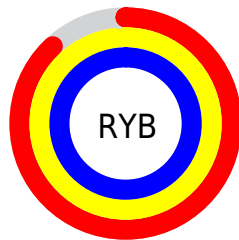
The Yxy color **91.2298, 0.3097, 0.3537** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.4138, 0.3159, 0.3055**, and the grayscale version is **88.1889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5934, 0.3090, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **86.3113, 0.3068, 0.3800**, and if you desaturate by 10%, it is **96.9152, 0.3125, 0.3305**.

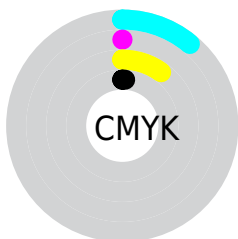
Distribution



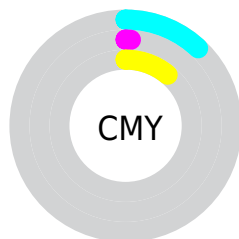
- Red (88%)
- Green (99%)
- Blue (89%)



- Red (88%)
- Yellow (98%)
- Blue (99%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (1%)




- Cyan (12%)
- Magenta (1%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.2298, 0.3097, 0.3537 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 91.2298, 0.3097, 0.3537 by changing the saturation by 10% instead.

 91.2298, 0.3097,
0.3537

 91.2298, 0.3097,
0.3537

532.0233, 0.3111,
0.3425

 69.0011, 0.3094,
0.3562


149.0455, 0.3102,
0.3499

 50.7126, 0.3089,
0.3593

185.4012, 0.3104,
0.3484

 35.9799, 0.3084,
0.3631


227.2348, 0.3106,
0.3471

 24.4187, 0.3077,
0.3680

274.9305, 0.3107,
0.3459

 15.6445, 0.3067,
0.3746

328.8728, 0.3108,
0.3449

 9.2729, 0.3052,
0.3839

389.4461, 0.3110,

 4.9196, 0.3029,

0.3440

0.3980

457.0348, 0.3111,
0.3432

■ 2.2002, 0.2986,
0.4215

■ 0.7201, 0.2866,
0.5652

■ 91.2298, 0.3097,
0.3537

■ 91.2298, 0.3097,
0.3537

■ 86.3113, 0.3068,
0.3800

■ 96.9152, 0.3125,
0.3305

■ 82.1158, 0.3039,
0.4093

■ 98.0942, 0.3129,
0.3261

■ 78.6127, 0.3012,
0.4410

■ 75.7645, 0.2989,
0.4740

■ 73.5303, 0.2972,
0.5069

■ 71.8646, 0.2962,
0.5373

■ 70.7154, 0.2962,
0.5631

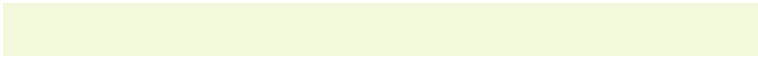
■ 70.0212, 0.2970,
0.5823

■ 69.6973, 0.2982,
0.5936

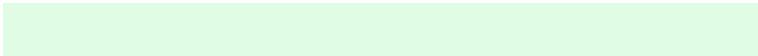
Harmonies

Analogous

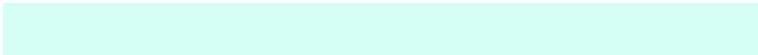
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.2298, 0.3271, 0.3597



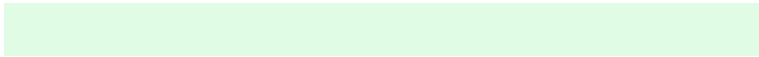
91.2298, 0.3097, 0.3537



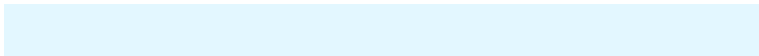
91.2298, 0.2934, 0.3405

Triad

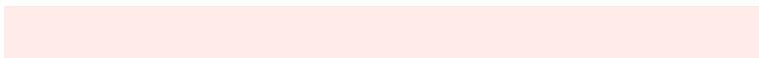
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.2298, 0.3097, 0.3537



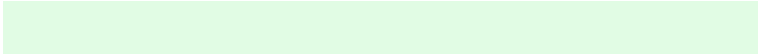
91.2298, 0.2849, 0.3013



91.2298, 0.3439, 0.3324

Complementary

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



91.2298, 0.3097, 0.3537



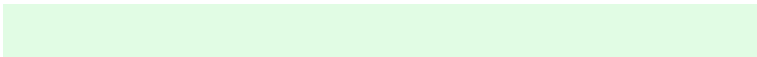
81.4138, 0.3159, 0.3055

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.



91.2298, 0.3320, 0.3177



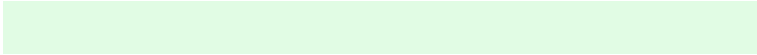
91.2298, 0.3097, 0.3537



91.2298, 0.2978, 0.3000

Square

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



91.2298, 0.3097, 0.3537



91.2298, 0.2794, 0.3100



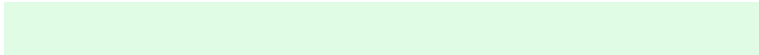
91.2298, 0.3150, 0.3060



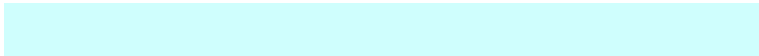
91.2298, 0.3472, 0.3467

Rectangle

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



91.2298, 0.3097, 0.3537



91.2298, 0.2853, 0.3298



91.2298, 0.3150, 0.3060



91.2298, 0.3408, 0.3273

Sweetspot

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



91.2337, 0.3097, 0.3537



98.1473, 0.3119, 0.3356



95.2476, 0.3269, 0.3556



20.9042, 0.3117, 0.3374



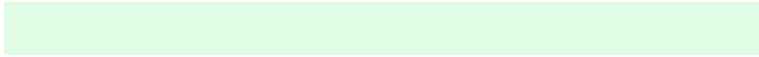
0.0000, 0.0000, 0.0000



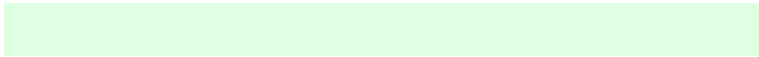
21.4041, 0.3127, 0.3290

Same Dimension

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



91.2337, 0.3097, 0.3537



92.4902, 0.3090, 0.3595



91.9943, 0.3022, 0.3399



19.3404, 0.3100, 0.3508



36.3199, 0.2978, 0.5921



3.3737, 0.2937, 0.5772

Inverse Universe

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



81.4138, 0.3159, 0.3055



80.4092, 0.3166, 0.3003



80.6196, 0.3245, 0.3183



17.4896, 0.3155, 0.3082



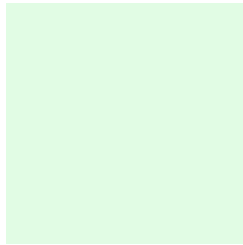
13.6019, 0.3509, 0.1707



1.2689, 0.3469, 0.1684

Previews

White Background



This preview shows how the Yxy color 91.2298, 0.3097, 0.3537 looks on a white background.

Color Contrast Check

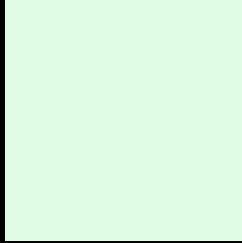
Large Text (above 18pt) WCAG AA × Fail

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 91.2298, 0.3097, 0.3537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

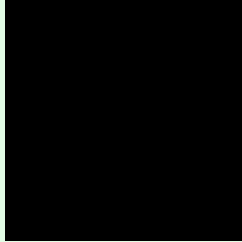
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

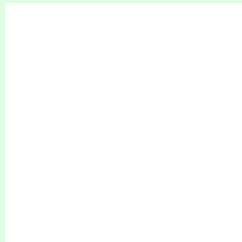
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.2298, 0.3097, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 91.2298, 0.3097, 0.3537.

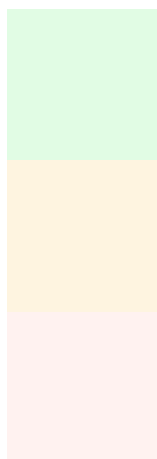


This preview shows how white text looks on a background with the Yxy color 91.2298, 0.3097, 0.3537.

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

91.2298, 0.3097, 0.3537

Protanopia

91.1540, 0.3316, 0.3487

Deuteranopia

91.0555, 0.3225, 0.3310



Tritanopia

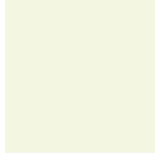
90.7020, 0.3024, 0.3191

Trichromacy



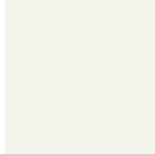
Original Color

91.2298, 0.3097, 0.3537



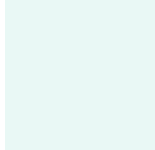
Protanomaly

91.0125, 0.3233, 0.3511



Deuteranomaly

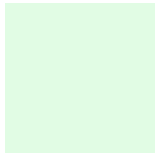
91.2008, 0.3174, 0.3390



Tritanomaly

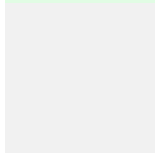
91.0510, 0.3050, 0.3320

Monochromacy



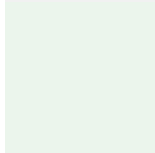
Original Color

91.2298, 0.3097, 0.3537



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.0231, 0.3116, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.2298, 0.3097, 0.3537 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(225, 252, 228)` looks like.

```
.text, #text, p{  
    color:rgb(225, 252, 228)  
}
```

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(225, 252, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 252, 228) }
```

Border

The CSS property to change the border of an element to Yxy 91.2298, 0.3097, 0.3537 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(225, 252, 228) }
```

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

```
.border{ border-color:rgb(225, 252, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 252, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 252, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 252, 228);  
box-shadow:4px 4px 4px 4px rgb(225, 252,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 91.2298, 0.3097, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 252, 228) }
```

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

```
.background{ background-color: rgb(225,  
252, 228) }
```

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