

Converting Colors

$Yxy(79.9616, 0.2912, 0.3285)$

Have a look what the booklet for
Yxy(79.9616, 0.2912, 0.3285)
contains.

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Color

Yxy(80.1595, 0.2910, 0.3289)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CCEEEE |
| RGB | 204, 238, 238 |
| RGB Percent | 80%, 93%, 93% |
| CMY | 0.1998, 0.0667, 0.0666 |
| CMYK | 0.14, 0.00, 0.00, 0.07 |
| HSL | 180°, 50%, 87% |
| HSV | 180°, 14%, 93% |
| XYZ | 70.9225, 80.1595, 92.6380 |
| YIQ | 227.8340, -20.2640, -7.2080 |

Conversions

Conversions Part 2

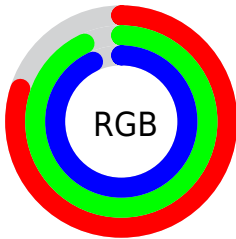
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 204, 221, 238 |
| Decimal | 13430510 |
| CIE Lab | 91.76, -10.96, -3.73 |
| CIE LCh | 92, 11.575, 198.780 |
| Yxy | 80.1595, 0.2910, 0.3289 |
| Android (android.graphics.Color) | 4291620590 (0xFFCCEEEE) |
| YUV | 227.8340, 5.0118, -20.9024 |
| Hunter-Lab | 89.5318, -15.2822, 1.3253 |

Details

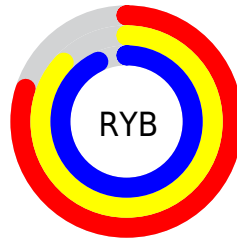
The Yxy color **80.1595, 0.2910, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.7710, 0.3392, 0.3291**, and the grayscale version is **77.4388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.2229, 0.2859, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **77.0386, 0.2769, 0.3288**, and if you desaturate by 10%, it is **83.8011, 0.3061, 0.3290**.

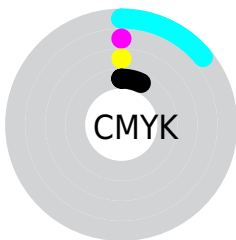
Distribution



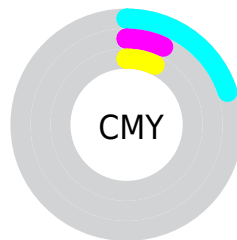
- Red (80%)
- Green (93%)
- Blue (93%)



- Red (80%)
- Yellow (87%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)





- Cyan (20%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1595, 0.2910, 0.3289 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 80.1595, 0.2910, 0.3289 by changing the saturation by 10% instead.


 80.1595, 0.2910,
0.3289

 80.1595, 0.2910,
0.3289


495.4702, 0.3008,
0.3290

 59.8496, 0.2888,
0.3289

133.5900, 0.2944,
0.3290

 43.2974, 0.2861,
0.3288


167.4793, 0.2957,
0.3290

 30.1186, 0.2828,
0.3287


206.6640, 0.2968,
0.3290

 19.9286, 0.2784,
0.3285

251.5283, 0.2978,
0.3290

 12.3431, 0.2726,
0.3283

302.4567, 0.2987,
0.3290

 6.9778, 0.2645,
0.3279

359.8335, 0.2995,

 3.4482, 0.2522,

0.3290

424.0432, 0.3002,
0.3290

0.3270

1.3700, 0.2316,
0.3251

0.1944, 0.0000,
0.2917

80.1595, 0.2910,
0.3289

80.1595, 0.2910,
0.3289

77.0386, 0.2769,
0.3288

83.8011, 0.3061,
0.3290

74.4052, 0.2642,
0.3288


87.9751, 0.3218,
0.3290

72.2375, 0.2530,
0.3287


88.6154, 0.3241,
0.3291

70.5082, 0.2436,
0.3287


88.6281, 0.3241,
0.3291

 69.1874, 0.2362,
0.3286

 88.6408, 0.3241,
0.3291


 68.2411, 0.2307,
0.3286


 88.6535, 0.3241,
0.3291

 67.6301, 0.2270,
0.3285

 88.6662, 0.3241,
0.3292

 67.3063, 0.2251,
0.3285

 88.6789, 0.3240,
0.3292

 67.2085, 0.2246,
0.3285

 88.6916, 0.3240,
0.3292

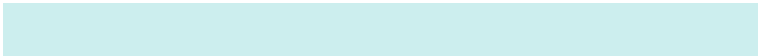
Harmonies

Analogous

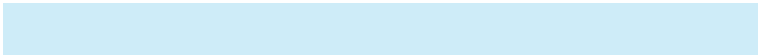
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1595, 0.3010, 0.3410



80.1595, 0.2910, 0.3289



80.1595, 0.2868, 0.3171

Triad

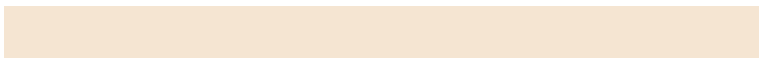
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1595, 0.2910, 0.3289



80.1595, 0.3108, 0.3093



80.1595, 0.3365, 0.3490

Complementary

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



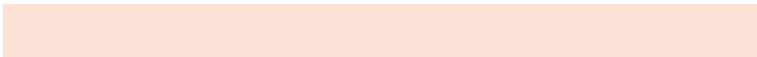
80.1595, 0.2910, 0.3289



65.7710, 0.3392, 0.3291

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.



80.1595, 0.3394, 0.3400



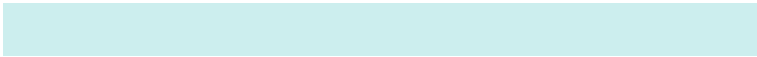
80.1595, 0.2910, 0.3289



80.1595, 0.3243, 0.3174

Square

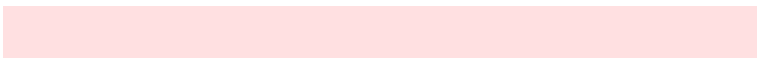
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1595, 0.2910, 0.3289



80.1595, 0.2980, 0.3061



80.1595, 0.3349, 0.3285



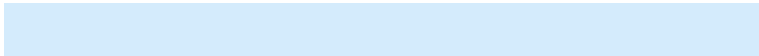
80.1595, 0.3272, 0.3527

Rectangle

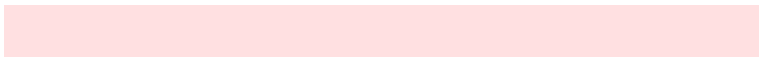
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



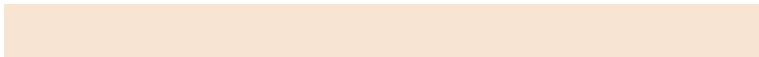
80.1595, 0.2910, 0.3289



80.1595, 0.2877, 0.3111



80.1595, 0.3349, 0.3285



80.1595, 0.3383, 0.3465

Sweetspot

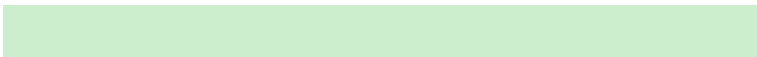
The Sweet Spot groups the original color and five complimentary colors.



80.1628, 0.2910, 0.3289



98.1106, 0.3065, 0.3290



78.3691, 0.3109, 0.3670



20.9261, 0.3053, 0.3290



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.



80.1628, 0.2910, 0.3289



92.6598, 0.2870, 0.3289



70.7534, 0.2904, 0.3103



17.9264, 0.2981, 0.3289



37.4893, 0.2246, 0.3285



3.1196, 0.2246, 0.3285

Inverse Universe

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



67.5663, 0.3144, 0.2938



75.3896, 0.3147, 0.2868



74.2767, 0.3366, 0.3471



16.0312, 0.3138, 0.3058



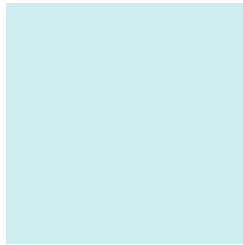
13.5779, 0.3211, 0.1543



1.1296, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 80.1595, 0.2910, 0.3289 looks on a white background.

Color Contrast Check

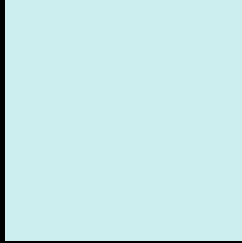
Large Text (above 18pt) WCAG AA × Fail

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 80.1595, 0.2910, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

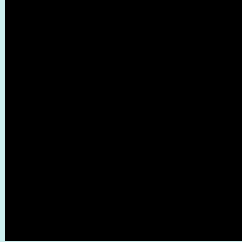
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

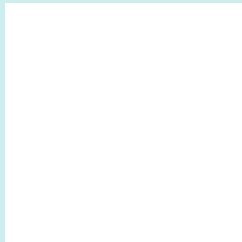
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.1595, 0.2910, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 80.1595, 0.2910, 0.3289.

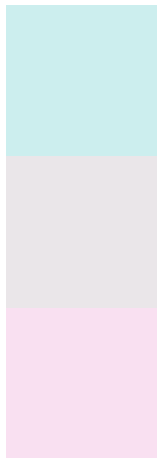


This preview shows how white text looks on a background with the Yxy color 80.1595, 0.2910, 0.3289.

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

80.1595, 0.2910, 0.3289

Protanopia

79.9692, 0.3135, 0.3259

Deuteranopia

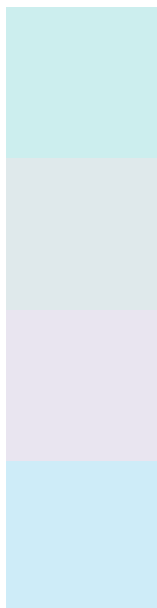
79.8019, 0.3191, 0.3121



Tritanopia

79.8378, 0.2837, 0.3089

Trichromacy



Original Color

80.1595, 0.2910, 0.3289

Protanomaly

79.9640, 0.3048, 0.3269

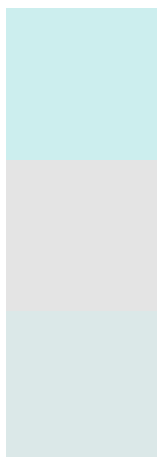
Deuteranomaly

79.6535, 0.3085, 0.3177

Tritanomaly

79.8900, 0.2865, 0.3162

Monochromacy



Original Color

80.1595, 0.2910, 0.3289

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.5995, 0.3040, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1595, 0.2910, 0.3289 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(204, 238, 238)` looks like.

```
.text, #text, p{  
    color:rgb(204, 238, 238)  
}
```

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(204, 238, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 238, 238) }
```

Border

The CSS property to change the border of an element to Yxy 80.1595, 0.2910, 0.3289 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(204, 238, 238) }
```

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

```
.border{ border-color:rgb(204, 238, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 238, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 238, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 238, 238); box-shadow:4px 4px 4px 4px rgb(204, 238, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1595, 0.2910, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 238, 238) }
```

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

```
.background{ background-color: rgb(204,  
238, 238) }
```

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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