

# Converting Colors

Yxy(79.8638, 0.2793, 0.3219)

Have a look what the booklet for  
Yxy(79.8638, 0.2793, 0.3219)  
contains.

<b>Yxy(80.1805, 0.2796, 0.3224)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(80.1805, 0.2796, 0.3224)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0F0F6
RGB	192, 240, 246
RGB Percent	75%, 94%, 96%
CMY	0.2469, 0.0588, 0.0354
CMYK	0.22, 0.02, 0.00, 0.04
HSL	187°, 75%, 86%
HSV	187°, 22%, 96%
XYZ	69.5362, 80.1805, 98.9821
YIQ	226.3320, -30.5340, -8.3100

# Conversions

## Conversions Part 2

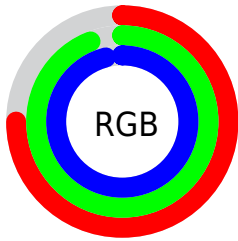
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	192, 217, 246
Decimal	12644598
CIE Lab	91.77, -13.97, -7.94
CIE LCh	92, 16.073, 209.609
Yxy	80.1805, 0.2796, 0.3224
Android (android.graphics.Color)	4290834678 (0xFFC0F0F6)
YUV	226.3320, 9.6963, -30.1092
Hunter-Lab	89.5436, -18.0848, -2.8591

# Details

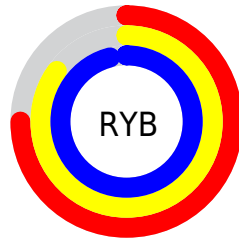
The Yxy color **80.1805, 0.2796, 0.3224** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7910, 0.3561, 0.3355**, and the grayscale version is **76.2566, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8797, 0.3090, 0.3290**, and **43.3171, 0.2718, 0.3204** is the 20% darker color. If you saturate the color by 10%, you get **75.6427, 0.2658, 0.3190**, and if you desaturate by 10%, it is **85.2856, 0.2943, 0.3256**.

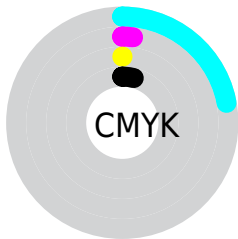
# Distribution



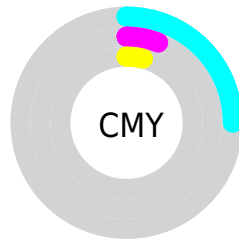
- Red (75%)
- Green (94%)
- Blue (96%)



- Red (75%)
- Yellow (85%)
- Blue (96%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)




- Cyan (25%)
- Magenta (6%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1805, 0.2796, 0.3224 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 80.1805, 0.2796, 0.3224 by changing the saturation by 10% instead.





 80.1805, 0.2796,  
0.3224

 80.1805, 0.2796,  
0.3224


495.5409, 0.2945,  
0.3256

 59.8669, 0.2763,  
0.3216


 133.6195, 0.2847,  
0.3235

 43.3114, 0.2723,  
0.3207


167.5136, 0.2867,  
0.3240

 30.1295, 0.2672,  
0.3194


206.7034, 0.2884,  
0.3243

 19.9369, 0.2607,  
0.3178

251.5733, 0.2900,  
0.3247

 12.3492, 0.2521,  
0.3155

302.5076, 0.2913,  
0.3249

 6.9820, 0.2402,  
0.3120

359.8907, 0.2925,

 3.4508, 0.2225,

0.3252

0.3064

424.1070, 0.2935,  
0.3254

■ 1.3714, 0.1937,  
0.2958

■ 0.1955, 0.0000,  
0.2029

■ 80.1805, 0.2796,  
0.3224

■ 80.1805, 0.2796,  
0.3224

■ 75.6427, 0.2658,  
0.3190

■ 85.2856, 0.2943,  
0.3256

■ 71.6355, 0.2532,  
0.3154

■ 90.9731, 0.3097,  
0.3285

■ 68.1334, 0.2422,  
0.3117

■ 95.1576, 0.3184,  
0.3311

■ 65.1043, 0.2329,  
0.3078

■ 96.8480, 0.3182,  
0.3337

■ 62.5124, 0.2255,  
0.3039

■ 98.5629, 0.3180,  
0.3363

■ 60.3168, 0.2201,  
0.3000

■ 99.4325, 0.3179,  
0.3376

■ 58.4678, 0.2165,  
0.2962

■ 57.1670, 0.2148,  
0.2931

# Harmonies

## Analogous

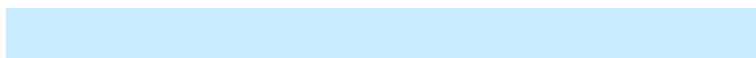
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1805, 0.2907, 0.3399



80.1805, 0.2796, 0.3224



80.1805, 0.2771, 0.3074

# Triad

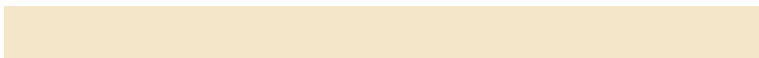
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.1805, 0.2796, 0.3224



80.1805, 0.3169, 0.3052



80.1805, 0.3420, 0.3596

# Complementary

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



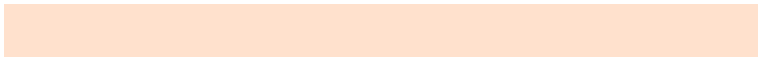
80.1805, 0.2796, 0.3224



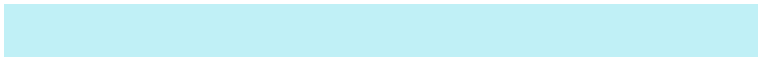
63.7910, 0.3561, 0.3355

# 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.



80.1805, 0.3496, 0.3492



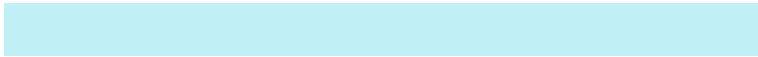
80.1805, 0.2796, 0.3224



80.1805, 0.3349, 0.3181

# Square

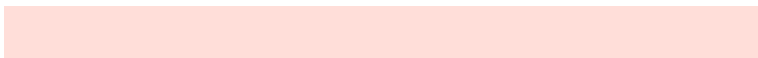
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1805, 0.2796, 0.3224



80.1805, 0.2982, 0.2982



80.1805, 0.3470, 0.3340



80.1805, 0.3266, 0.3618

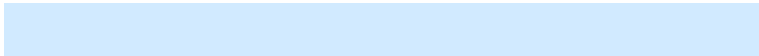


# Rectangle

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



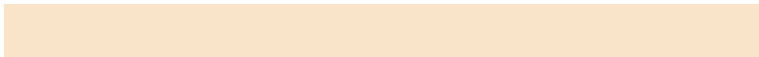
80.1805, 0.2796, 0.3224



80.1805, 0.2806, 0.3009



80.1805, 0.3470, 0.3340



80.1805, 0.3456, 0.3569

# Sweetspot

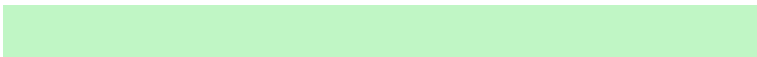
The Sweet Spot groups the original color and five complimentary colors.



80.1838, 0.2796, 0.3224



95.5145, 0.3018, 0.3270



81.1608, 0.3068, 0.3841



20.3645, 0.3009, 0.3269



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

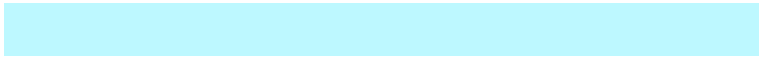


# Same Dimension

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



80.1838, 0.2796, 0.3224



84.9211, 0.2738, 0.3210



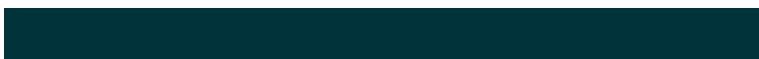
65.7609, 0.2774, 0.2927



18.4256, 0.2981, 0.3263



30.6488, 0.2149, 0.2937



2.7815, 0.2163, 0.2985



# Inverse Universe

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



63.5950, 0.3197, 0.2801



64.2819, 0.3212, 0.2707



76.9238, 0.3503, 0.3628



16.7348, 0.3155, 0.3082



13.1934, 0.3510, 0.1707

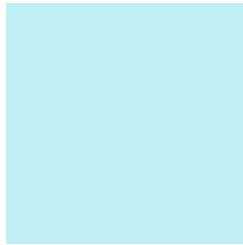


1.1684, 0.3467, 0.1684



# Previews

## White Background



This preview shows how the Yxy color 80.1805, 0.2796, 0.3224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

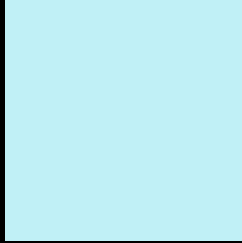
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1805, 0.2796, 0.3224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

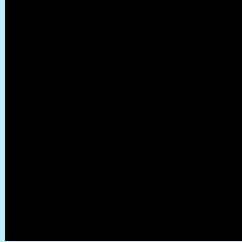
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 80.1805, 0.2796, 0.3224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1805, 0.2796, 0.3224.

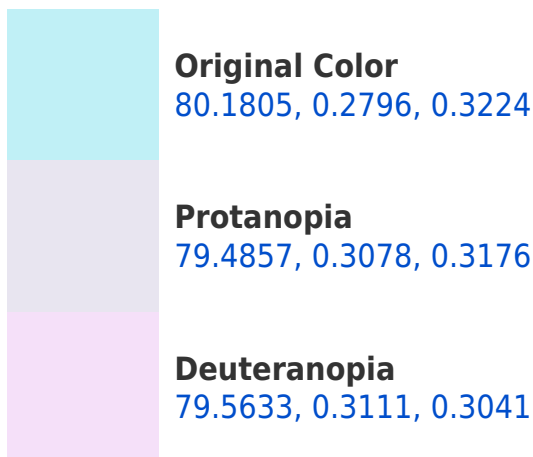


This preview shows how white text looks on a background with the Yxy color 80.1805, 0.2796, 0.3224.

# 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

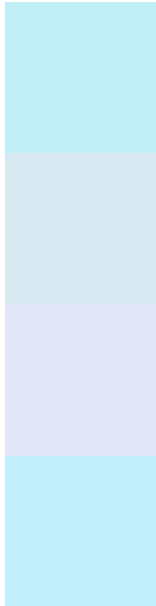




## Tritanopia

80.3748, 0.2781, 0.3108

# Trichromacy



## Original Color

80.1805, 0.2796, 0.3224

## Protanomaly

79.4403, 0.2967, 0.3195

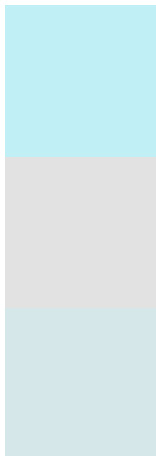
## Deuteranomaly

79.5397, 0.2989, 0.3104

## Tritanomaly

80.4970, 0.2786, 0.3150

# Monochromacy



## Original Color

80.1805, 0.2796, 0.3224

## Achromatopsia

76.0525, 0.3127, 0.3290

## Achromatomaly

77.3312, 0.3001, 0.3268

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1805, 0.2796, 0.3224 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(192, 240, 246)` looks like.

```
.text, #text, p{  
    color:rgb(192, 240, 246)  
}
```

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(192, 240, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 240, 246) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1805, 0.2796, 0.3224 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(192, 240, 246) }
```

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

```
.border{ border-color:rgb(192, 240, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 240, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 240, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 240, 246);  
box-shadow:4px 4px 4px 4px rgb(192, 240,  
246) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1805, 0.2796, 0.3224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 240, 246) }
```

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

```
.background{ background-color: rgb(192,  
240, 246) }
```

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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