

Converting Colors

$Y_{xy}(80.1821, 0.2462, 0.3232)$

Have a look what the booklet for
Yxy(80.1821, 0.2462, 0.3232)
contains.

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Color

Yxy(80.1804, 0.2463, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	80FAFF
RGB	128, 250, 255
RGB Percent	50%, 98%, 100%
CMY	0.4985, 0.0195, 0.0000
CMYK	0.50, 0.02, 0.00, 0.00
HSL	182°, 100%, 75%
HSV	182°, 50%, 100%
XYZ	61.1217, 80.1804, 106.8576
YIQ	214.0920, -74.3170, -24.3090

Conversions

Conversions Part 2

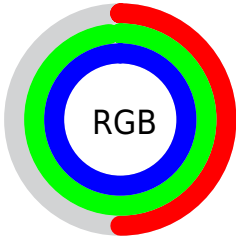
Format	Color
RYB	128, 190, 255
Decimal	8452863
CIELab	91.77, -32.93, -12.95
CIELCh	92, 35.387, 201.464
Yxy	80.1804, 0.2463, 0.3231
Android (android.graphics.Color)	4286642943 (0xFF80FAFF)
YUV	214.0920, 20.1676, -75.5027
Hunter-Lab	89.5435, -34.8584, -8.0738

Details

The Yxy color **80.1804, 0.2463, 0.3231** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.5466, 0.4524, 0.3345**, and the grayscale version is **67.1900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5588, 0.2747, 0.3289**, and **43.2413, 0.2321, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **77.8323, 0.2375, 0.3218**, and if you desaturate by 10%, it is **83.0345, 0.2569, 0.3244**.

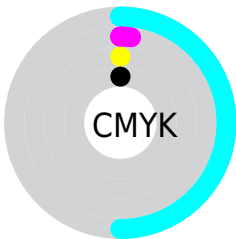
Distribution



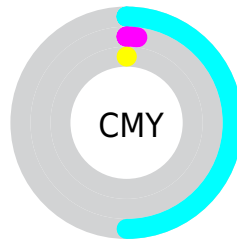
- Red (50%)
- Green (98%)
- Blue (100%)



- Red (50%)
- Yellow (75%)
- Blue (100%)



- Cyan (50%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (50%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1804, 0.2463, 0.3231 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 80.1804, 0.2463, 0.3231 by changing the saturation by 10% instead.


 80.1804, 0.2463,
0.3231


 80.1804, 0.2463,
0.3231


495.5406, 0.2758,
0.3266


 59.8668, 0.2399,
0.3222


 133.6193, 0.2563,
0.3244

 43.3113, 0.2321,
0.3209

 167.5135, 0.2602,
0.3249

 30.1294, 0.2225,
0.3192


 206.7033, 0.2637,
0.3253

 19.9369, 0.2103,
0.3168

251.5731, 0.2667,
0.3256

 12.3492, 0.1945,
0.3133

302.5073, 0.2694,
0.3259

 6.9819, 0.1733,
0.3076


359.8904, 0.2717,


 3.4508, 0.1436,

0.3262


0.2977


424.1067, 0.2739,
0.3264


 1.3714, 0.0892,
0.2817


 0.1955, 0.0000,
0.1479


 80.1804, 0.2463,
0.3231


 80.1804, 0.2463,
0.3231


 77.8323, 0.2375,
0.3218

 83.0345, 0.2569,
0.3244


 75.9430, 0.2307,
0.3204

 86.4193, 0.2692,
0.3257

 74.4722, 0.2258,
0.3191

 90.3691, 0.2828,
0.3269

 73.3679, 0.2228,
0.3178

 94.9125, 0.2975,
0.3280

■ 72.5469, 0.2213,
0.3165

99.9997, 0.3127,
0.3290

■ 72.5357, 0.2213,
0.3165

Harmonies

Analogous

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



80.1804, 0.2732, 0.3636



80.1804, 0.2463, 0.3231



80.1804, 0.2365, 0.2879

Triad

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



80.1804, 0.2463, 0.3231



80.1804, 0.3094, 0.2736



80.1804, 0.3832, 0.3898

Complementary

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



80.1804, 0.2463, 0.3231



39.5466, 0.4524, 0.3345

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.



80.1804, 0.3953, 0.3619



80.1804, 0.2463, 0.3231



80.1804, 0.3512, 0.2971

Square

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



80.1804, 0.2463, 0.3231



80.1804, 0.2710, 0.2626



80.1804, 0.3835, 0.3285



80.1804, 0.3521, 0.4033

Rectangle

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



80.1804, 0.2463, 0.3231



80.1804, 0.2403, 0.2721



80.1804, 0.3835, 0.3285



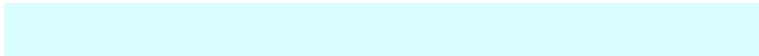
80.1804, 0.3897, 0.3816

Sweetspot

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



80.1835, 0.2463, 0.3231



92.5023, 0.2898, 0.3274



77.7652, 0.3034, 0.4834



19.5976, 0.2867, 0.3272



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

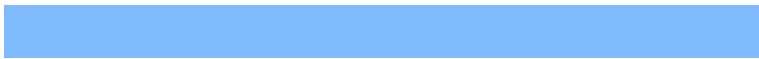
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.1835, 0.2463, 0.3231



77.8046, 0.2374, 0.3218



47.4224, 0.2312, 0.2450



20.3523, 0.2980, 0.3280



37.9569, 0.2213, 0.3167



3.7322, 0.2217, 0.3182

Inverse Universe

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



43.5671, 0.3227, 0.2124



37.6031, 0.3248, 0.1936



62.1455, 0.4156, 0.3986



18.2874, 0.3144, 0.3065



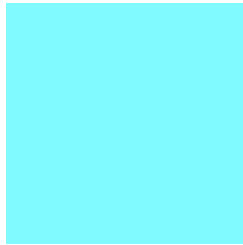
14.5597, 0.3310, 0.1597



1.4213, 0.3297, 0.1590

Previews

White Background



This preview shows how the Yxy color 80.1804, 0.2463, 0.3231 looks on a white background.

Color Contrast Check

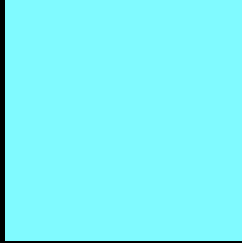
Large Text (above 18pt) WCAG AA × Fail

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 80.1804, 0.2463, 0.3231 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 80.1804, 0.2463, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 80.1804, 0.2463, 0.3231.

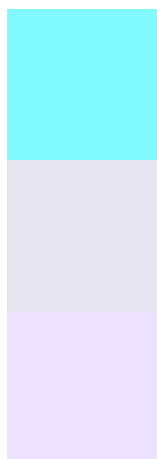


This preview shows how white text looks on a background with the Yxy color 80.1804, 0.2463, 0.3231.

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

80.1804, 0.2463, 0.3231

Protanopia

79.4384, 0.3059, 0.3156

Deuteranopia

78.9033, 0.3013, 0.2987



Tritanopia

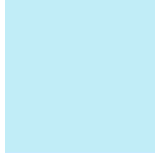
79.8382, 0.2659, 0.3146

Trichromacy



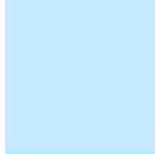
Original Color

80.1804, 0.2463, 0.3231



Protanomaly

78.6212, 0.2794, 0.3180



Deuteranomaly

77.9360, 0.2772, 0.3064



Tritanomaly

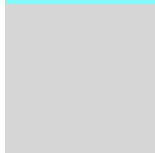
79.7939, 0.2580, 0.3177

Monochromacy



Original Color

80.1804, 0.2463, 0.3231



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

70.6626, 0.2826, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1804, 0.2463, 0.3231 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(128, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 250, 255)  
}
```

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(128, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1804, 0.2463, 0.3231 is called "border". The border property can be set on classes, ids or directly on the HTML element.

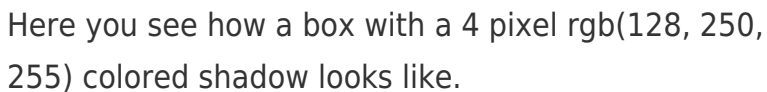
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(128, 250, 255) }
```

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

```
.border{ border-color:rgb(128, 250, 255) }
```

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



Here you see how a box with a 4 pixel rgb(128, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 250, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 250, 255); box-shadow:4px 4px 4px 4px rgb(128, 250, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1804, 0.2463, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 250, 255) }
```

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

```
.background{ background-color: rgb(128,  
250, 255) }
```

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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