

Converting Colors

$Yxy(66.8960, 0.2531, 0.3288)$

Have a look what the booklet for
Yxy(66.8960, 0.2531, 0.3288)
contains.

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Color

Yxy(66.8960, 0.2531, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	80E6E6
RGB	128, 230, 230
RGB Percent	50%, 90%, 90%
CMY	0.4976, 0.0981, 0.0980
CMYK	0.44, 0.00, 0.00, 0.10
HSL	180°, 67%, 70%
HSV	180°, 44%, 90%
XYZ	51.4945, 66.8960, 85.0645
YIQ	199.5020, -60.7920, -21.6240

Conversions

Conversions Part 2

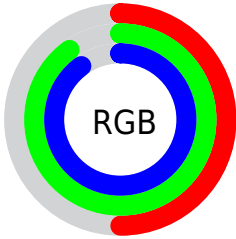
Format	Color
RYB	128, 179, 230
Decimal	8447718
CIELab	85.45, -29.68, -9.29
CIElCh	85, 31.100, 197.371
Yxy	66.8960, 0.2531, 0.3288
Android (android.graphics.Color)	4286637798 (0xFF80E6E6)
YUV	199.5020, 15.0355, -62.7073
Hunter-Lab	81.7900, -30.7500, -4.4108

Details

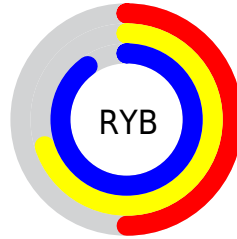
The Yxy color **66.8960, 0.2531, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.8580, 0.4307, 0.3294**, and the grayscale version is **57.3880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1791, 0.2731, 0.3289**, and **34.5962, 0.2388, 0.3271** is the 20% darker color. If you saturate the color by 10%, you get **65.3085, 0.2437, 0.3288**, and if you desaturate by 10%, it is **68.8931, 0.2643, 0.3288**.

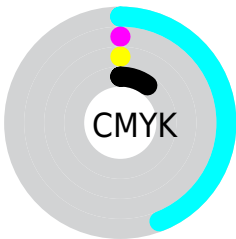
Distribution



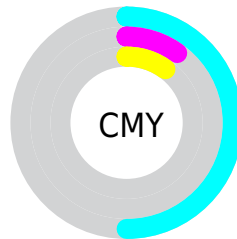
- Red (50%)
- Green (90%)
- Blue (90%)



- Red (50%)
- Yellow (70%)
- Blue (90%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)




- Cyan (50%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8960, 0.2531, 0.3288 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 66.8960, 0.2531, 0.3288 by changing the saturation by 10% instead.


 66.8960, 0.2531,
0.3288

 66.8960, 0.2531,
0.3288


449.5745, 0.2806,
0.3295

 49.0001, 0.2469,
0.3285

 114.7714, 0.2626,
0.3292

 34.6196, 0.2392,
0.3280


 145.5197, 0.2663,
0.3293

 23.3700, 0.2295,
0.3273


 181.3209, 0.2695,
0.3293

 14.8669, 0.2170,
0.3261

222.5594, 0.2723,
0.3294

 8.7260, 0.2002,
0.3241

269.6196, 0.2747,
0.3294

 4.5629, 0.1765,
0.3203

322.8859, 0.2769,

 1.9932, 0.1414,

0.3295

0.3123

382.7428, 0.2789,
0.3295

0.6035, 0.0000,
0.3092

0.0000, 0.0000,
0.0000

66.8960, 0.2531,
0.3288

66.8960, 0.2531,
0.3288

65.3085, 0.2437,
0.3288

68.8931, 0.2643,
0.3288

64.0950, 0.2363,
0.3287


71.3169, 0.2770,
0.3289

63.2271, 0.2308,
0.3287

74.1932, 0.2910,
0.3289

62.6687, 0.2271,
0.3287

77.5433, 0.3060,
0.3290

 62.3758, 0.2252,
0.3287


 81.3872, 0.3217,
0.3290

 62.2881, 0.2246,
0.3287

 83.5742, 0.3300,
0.3291

 83.5764, 0.3300,
0.3291

 83.5787, 0.3300,
0.3291

 83.5809, 0.3300,
0.3291

Harmonies

Analogous

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



66.8960, 0.2803, 0.3659



66.8960, 0.2531, 0.3288



66.8960, 0.2415, 0.2946

Triad

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



66.8960, 0.2531, 0.3288



66.8960, 0.3044, 0.2748



66.8960, 0.3814, 0.3831

Complementary

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



66.8960, 0.2531, 0.3288



33.8580, 0.4307, 0.3294

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.



66.8960, 0.3896, 0.3559



66.8960, 0.2531, 0.3288



66.8960, 0.3436, 0.2956

Square

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



66.8960, 0.2531, 0.3288



66.8960, 0.2696, 0.2663



66.8960, 0.3756, 0.3245



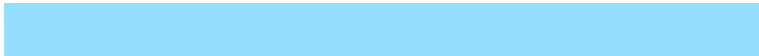
66.8960, 0.3544, 0.3977

Rectangle

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



66.8960, 0.2531, 0.3288



66.8960, 0.2435, 0.2784



66.8960, 0.3756, 0.3245



66.8960, 0.3865, 0.3750

Sweetspot

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



66.8986, 0.2531, 0.3288



94.2422, 0.2928, 0.3289



62.7565, 0.3062, 0.4673



19.9847, 0.2896, 0.3289



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.



66.8986, 0.2531, 0.3288



82.7072, 0.2446, 0.3288



42.5755, 0.2414, 0.2613



16.3360, 0.2982, 0.3290



35.2621, 0.2246, 0.3287



2.6059, 0.2246, 0.3287

Inverse Universe

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



38.0043, 0.3178, 0.2210



41.8754, 0.3187, 0.2022



50.6496, 0.4027, 0.3873



14.6152, 0.3138, 0.3059



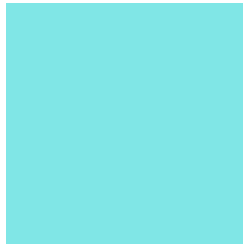
12.7574, 0.3210, 0.1542



0.9427, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 66.8960, 0.2531, 0.3288 looks on a white background.

Color Contrast Check

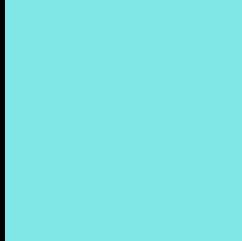
Large Text (above 18pt) WCAG AA × Fail

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 66.8960, 0.2531, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

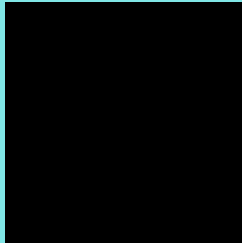
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8960, 0.2531, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 66.8960, 0.2531, 0.3288.

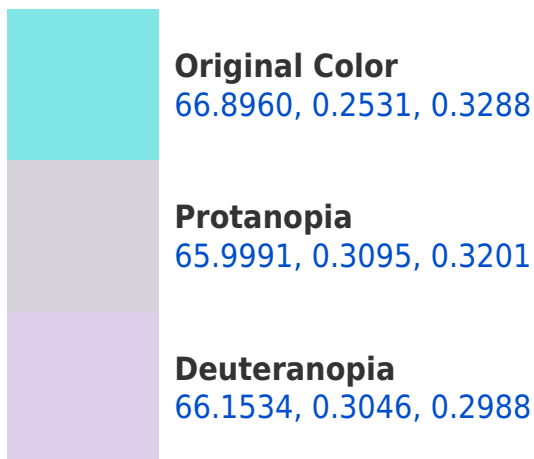


This preview shows how white text looks on a background with the Yxy color 66.8960, 0.2531, 0.3288.

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

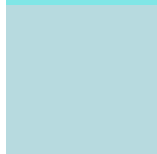
67.1272, 0.2474, 0.3073

Trichromacy



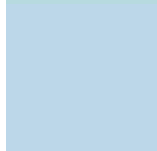
Original Color

66.8960, 0.2531, 0.3288



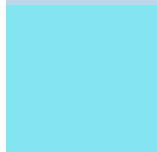
Protanomaly

65.5378, 0.2855, 0.3231



Deuteranomaly

65.1754, 0.2826, 0.3082



Tritanomaly

67.1552, 0.2495, 0.3155

Monochromacy



Original Color

66.8960, 0.2531, 0.3288



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.2904, 0.2865, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8960, 0.2531, 0.3288 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, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(128, 230, 230)  
}
```

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, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 230, 230) }
```

Border

The CSS property to change the border of an element to Yxy 66.8960, 0.2531, 0.3288 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, 230, 230) }
```

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

```
.border{ border-color:rgb(128, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(128, 230,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8960, 0.2531, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 230, 230) }
```

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

```
.background{ background-color: rgb(128,  
230, 230) }
```

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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