

Converting Colors

$Y_{xy}(65.7584, 0.2473, 0.3020)$

Have a look what the booklet for
Yxy(65.7584, 0.2473, 0.3020)
contains.

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Color

Yxy(65.8001, 0.2476, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	88E1F7
RGB	136, 225, 247
RGB Percent	53%, 88%, 97%
CMY	0.4670, 0.1176, 0.0313
CMYK	0.45, 0.09, 0.00, 0.03
HSL	192°, 87%, 75%
HSV	192°, 45%, 97%
XYZ	53.8582, 65.8001, 97.8627
YIQ	200.8970, -60.1060, -12.0260

Conversions

Conversions Part 2

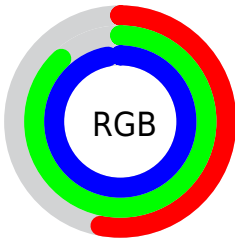
Format	Color
R _Y B	136, 185, 247
Decimal	8970743
CIE Lab	84.89, -21.14, -19.06
CIE LCh	85, 28.458, 222.036
Yxy	65.8001, 0.2476, 0.3025
Android (android.graphics.Color)	4287160823 (0xFF88E1F7)
YUV	200.8970, 22.7288, -56.9147
Hunter-Lab	81.1173, -23.4393, -14.7474

Details

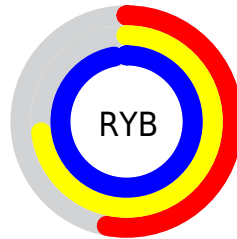
The Yxy color **65.8001, 0.2476, 0.3025** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.9764, 0.4224, 0.3530**, and the grayscale version is **58.2173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2093, 0.2773, 0.3289**, and **34.0888, 0.2326, 0.2954** is the 20% darker color. If you saturate the color by 10%, you get **61.3621, 0.2360, 0.2955**, and if you desaturate by 10%, it is **70.7953, 0.2606, 0.3092**.

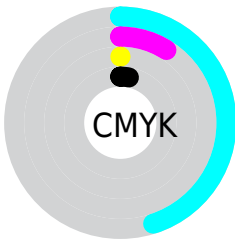
Distribution



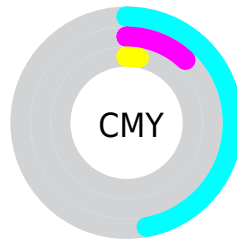
- Red (53%)
- Green (88%)
- Blue (97%)



- Red (53%)
- Yellow (73%)
- Blue (97%)



- Cyan (45%)
- Magenta (9%)
- Yellow (0%)
- Black (3%)




- Cyan (47%)
- Magenta (12%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.8001, 0.2476, 0.3025 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 65.8001, 0.2476, 0.3025 by changing the saturation by 10% instead.


 65.8001, 0.2476,
0.3025

 65.8001, 0.2476,
0.3025

445.6616, 0.2775,
0.3156

 48.1101, 0.2409,
0.2993


 113.1994, 0.2579,
0.3072

 33.9141, 0.2326,
0.2953

 143.6775, 0.2619,
0.3090

 22.8276, 0.2223,
0.2900


179.1871, 0.2654,
0.3105

 14.4663, 0.2090,
0.2829

220.1126, 0.2684,
0.3118

 8.4457, 0.1914,
0.2729

266.8384, 0.2711,
0.3130

 4.3814, 0.1670,
0.2578

319.7490, 0.2735,

 1.8891, 0.1319,

0.3140

0.2330

379.2286, 0.2756,
0.3149

0.5418, 0.0000,
0.1924

0.0000, 0.0000,
0.0000

65.8001, 0.2476,
0.3025

65.8001, 0.2476,
0.3025

61.3621, 0.2360,
0.2955

70.7953, 0.2606,
0.3092

57.4399, 0.2261,
0.2884

76.3707, 0.2747,
0.3154

53.9979, 0.2181,
0.2811

82.5571, 0.2896,
0.3212

50.9918, 0.2121,
0.2738

89.3806, 0.3050,
0.3265

■ 48.3675, 0.2080,
0.2666

■ 96.0161, 0.3177,
0.3314

■ 47.1521, 0.2064,
0.2630

■ 99.0863, 0.3174,
0.3360

■ 99.4959, 0.3173,
0.3366

Harmonies

Analogous

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



65.8001, 0.2612, 0.3352



65.8001, 0.2476, 0.3025



65.8001, 0.2501, 0.2798

Triad

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



65.8001, 0.2476, 0.3025



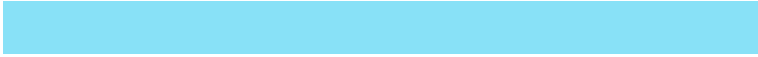
65.8001, 0.3349, 0.2940



65.8001, 0.3566, 0.3910

Complementary

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



65.8001, 0.2476, 0.3025



45.9764, 0.4224, 0.3530

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.



65.8001, 0.3787, 0.3753



65.8001, 0.2476, 0.3025



65.8001, 0.3662, 0.3199

Square

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



65.8001, 0.2476, 0.3025



65.8001, 0.2989, 0.2765



65.8001, 0.3826, 0.3491



65.8001, 0.3234, 0.3892

Rectangle

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



65.8001, 0.2476, 0.3025



65.8001, 0.2606, 0.2723



65.8001, 0.3826, 0.3491



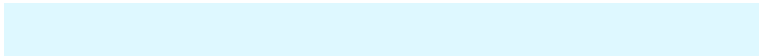
65.8001, 0.3657, 0.3874

Sweetspot

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



65.8026, 0.2476, 0.3025



90.1297, 0.2926, 0.3223



74.1643, 0.2962, 0.4444



18.9580, 0.2893, 0.3211



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.



65.8026, 0.2476, 0.3025



66.3656, 0.2370, 0.2962



41.1079, 0.2354, 0.2331



18.1677, 0.2980, 0.3242



25.1403, 0.2067, 0.2642



2.3483, 0.2092, 0.2732

Inverse Universe

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



42.7998, 0.3378, 0.2380



39.6395, 0.3444, 0.2216



68.5537, 0.3950, 0.4084



16.7088, 0.3168, 0.3102



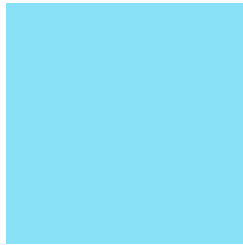
12.6373, 0.3784, 0.1858



1.1247, 0.3698, 0.1811

Previews

White Background



This preview shows how the Yxy color 65.8001, 0.2476, 0.3025 looks on a white background.

Color Contrast Check

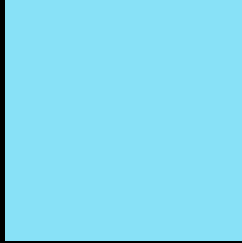
Large Text (above 18pt) WCAG AA × Fail

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 65.8001, 0.2476, 0.3025 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 65.8001, 0.2476, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 65.8001, 0.2476, 0.3025.

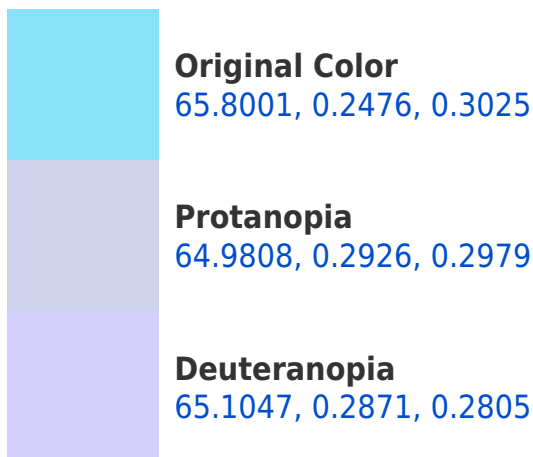


This preview shows how white text looks on a background with the Yxy color 65.8001, 0.2476, 0.3025.

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

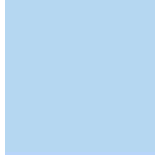
66.0753, 0.2488, 0.3072

Trichromacy



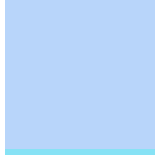
Original Color

65.8001, 0.2476, 0.3025



Protanomaly

64.7755, 0.2735, 0.2990



Deuteranomaly

64.6810, 0.2700, 0.2872



Tritanomaly

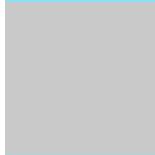
66.1362, 0.2483, 0.3060

Monochromacy



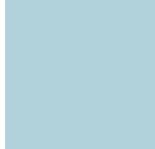
Original Color

65.8001, 0.2476, 0.3025



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.5023, 0.2841, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.8001, 0.2476, 0.3025 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(136, 225, 247)` looks like.

```
.text, #text, p{  
    color:rgb(136, 225, 247)  
}
```

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(136, 225, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 225, 247) }
```

Border

The CSS property to change the border of an element to Yxy 65.8001, 0.2476, 0.3025 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(136, 225, 247) }
```

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

```
.border{ border-color:rgb(136, 225, 247) }
```

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

Here you see how a box with a 4 pixel rgb(136, 225, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 225, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 225, 247);  
box-shadow:4px 4px 4px 4px rgb(136, 225,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 65.8001, 0.2476, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 225, 247) }
```

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

```
.background{ background-color: rgb(136,  
225, 247) }
```

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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