

Converting Colors

$Y_{xy}(67.4050, 0.2502, 0.3070)$

Have a look what the booklet for
Yxy(67.4050, 0.2502, 0.3070)
contains.

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Color

Yxy(67.6296, 0.2501, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	8BE4F6
RGB	139, 228, 246
RGB Percent	55%, 89%, 96%
CMY	0.4550, 0.1059, 0.0352
CMYK	0.44, 0.07, 0.00, 0.04
HSL	190°, 86%, 75%
HSV	190°, 44%, 96%
XYZ	55.0233, 67.6296, 97.3523
YIQ	203.4410, -58.8220, -13.2700

Conversions

Conversions Part 2

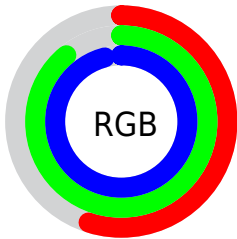
Format	Color
R _Y B	139, 188, 246
Decimal	9168118
CIE Lab	85.82, -22.17, -17.12
CIE LCh	86, 28.010, 217.681
Yxy	67.6296, 0.2501, 0.3074
Android (android.graphics.Color)	4287358198 (0xFF8BE4F6)
YUV	203.4410, 20.9816, -56.5148
Hunter-Lab	82.2372, -24.4843, -12.6214

Details

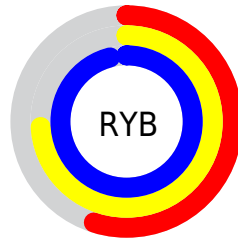
The Yxy color **67.6296, 0.2501, 0.3074** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.5666, 0.4190, 0.3489**, and the grayscale version is **59.9042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **34.9721, 0.2357, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **63.4979, 0.2386, 0.3016**, and if you desaturate by 10%, it is **72.2975, 0.2630, 0.3130**.

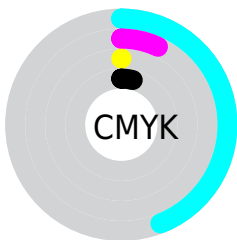
Distribution



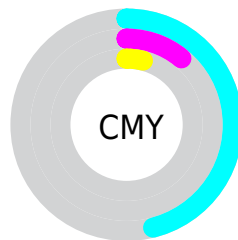
- Red (55%)
- Green (89%)
- Blue (96%)



- Red (55%)
- Yellow (74%)
- Blue (96%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (4%)




- Cyan (46%)
- Magenta (11%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.6296, 0.2501, 0.3074 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 67.6296, 0.2501, 0.3074 by changing the saturation by 10% instead.


 67.6296, 0.2501,
0.3074

 67.6296, 0.2501,
0.3074

452.1826, 0.2787,
0.3182

 49.5965, 0.2437,
0.3048


 115.8221, 0.2600,
0.3113

 35.0929, 0.2358,
0.3014


 146.7502, 0.2638,
0.3128

 23.7344, 0.2259,
0.2971


182.7455, 0.2671,
0.3140

 15.1367, 0.2132,
0.2911

224.1923, 0.2701,
0.3151

 8.9154, 0.1964,
0.2827

271.4750, 0.2726,
0.3160

 4.6860, 0.1731,
0.2699

324.9780, 0.2749,

 2.0643, 0.1393,

0.3168

385.0857, 0.2769,
0.3175

0.2488

0.6444, 0.0242,
0.2185

0.0000, 0.0000,
0.0000

67.6296, 0.2501,
0.3074

67.6296, 0.2501,
0.3074

63.4979, 0.2386,
0.3016

72.2975, 0.2630,
0.3130

59.8617, 0.2289,
0.2956

77.5234, 0.2771,
0.3182

56.6869, 0.2210,
0.2895

83.3373, 0.2919,
0.3231

53.9311, 0.2151,
0.2834

89.7646, 0.3073,
0.3275

■ 51.5426, 0.2111,
0.2773

■ 95.4807, 0.3183,
0.3316

■ 50.1394, 0.2093,
0.2734

■ 98.0633, 0.3181,
0.3356

■ 99.4347, 0.3179,
0.3376

Harmonies

Analogous

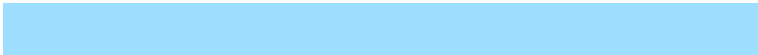
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.6296, 0.2656, 0.3400



67.6296, 0.2501, 0.3074



67.6296, 0.2502, 0.2834

Triad

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



67.6296, 0.2501, 0.3074



67.6296, 0.3293, 0.2917



67.6296, 0.3596, 0.3882

Complementary

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



67.6296, 0.2501, 0.3074



45.5666, 0.4190, 0.3489

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.



67.6296, 0.3789, 0.3710



67.6296, 0.2501, 0.3074



67.6296, 0.3612, 0.3161

Square

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



67.6296, 0.2501, 0.3074



67.6296, 0.2944, 0.2761



67.6296, 0.3797, 0.3446



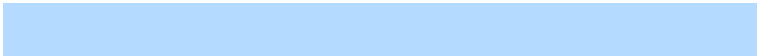
67.6296, 0.3282, 0.3891

Rectangle

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



67.6296, 0.2501, 0.3074



67.6296, 0.2591, 0.2747



67.6296, 0.3797, 0.3446



67.6296, 0.3678, 0.3839

Sweetspot

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



67.6322, 0.2501, 0.3074



90.7393, 0.2926, 0.3233



73.8347, 0.2975, 0.4422



19.1098, 0.2893, 0.3223



0.0000, 0.0000, 0.0000



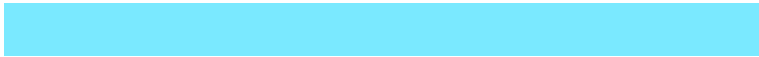
21.4041, 0.3127, 0.3290

Same Dimension

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



67.6322, 0.2501, 0.3074



69.4911, 0.2402, 0.3024



42.6673, 0.2385, 0.2392



18.2554, 0.2980, 0.3249



26.9393, 0.2096, 0.2744



2.4907, 0.2117, 0.2820

Inverse Universe

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



43.6553, 0.3338, 0.2379



41.1432, 0.3391, 0.2217



67.7171, 0.3927, 0.4042



16.7176, 0.3164, 0.3095



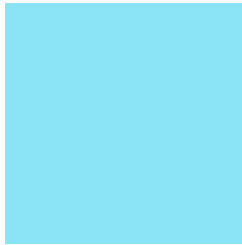
12.8189, 0.3687, 0.1804



1.1391, 0.3616, 0.1766

Previews

White Background



This preview shows how the Yxy color 67.6296, 0.2501, 0.3074 looks on a white background.

Color Contrast Check

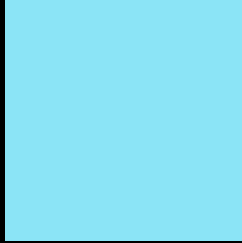
Large Text (above 18pt) WCAG AA × Fail

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 67.6296, 0.2501, 0.3074 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 67.6296, 0.2501, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 67.6296, 0.2501, 0.3074.

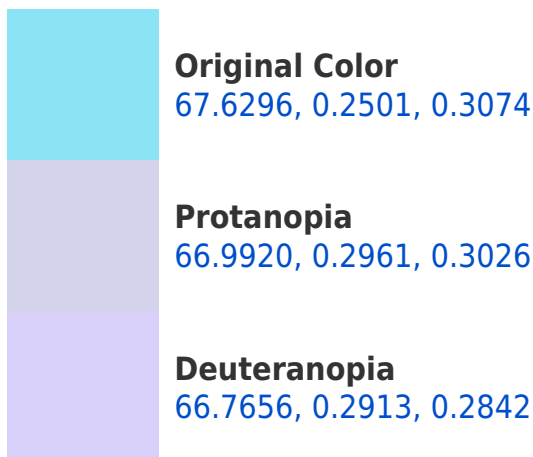


This preview shows how white text looks on a background with the Yxy color 67.6296, 0.2501, 0.3074.

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

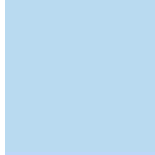
67.6296, 0.2501, 0.3074

Trichromacy



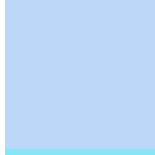
Original Color

67.6296, 0.2501, 0.3074



Protanomaly

66.7484, 0.2768, 0.3039



Deuteranomaly

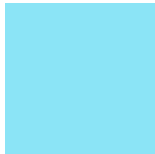
66.2592, 0.2739, 0.2909



Tritanomaly

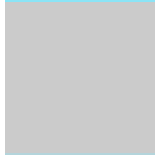
67.6296, 0.2501, 0.3074

Monochromacy



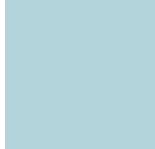
Original Color

67.6296, 0.2501, 0.3074



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.9047, 0.2856, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.6296, 0.2501, 0.3074 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(139, 228, 246)` looks like.

```
.text, #text, p{  
    color:rgb(139, 228, 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(139, 228, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 228, 246) }
```

Border

The CSS property to change the border of an element to Yxy 67.6296, 0.2501, 0.3074 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(139, 228, 246) }
```

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

```
.border{ border-color:rgb(139, 228, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 228, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 228, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 228, 246);  
box-shadow:4px 4px 4px 4px rgb(139, 228,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 67.6296, 0.2501, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 228, 246) }
```

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

```
.background{ background-color: rgb(139,  
228, 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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