

Converting Colors

Yxy(64.6688, 0.2460, 0.2942)

Have a look what the booklet for
Yxy(64.6688, 0.2460, 0.2942)
contains.

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Color

Yxy(64.6109, 0.2461, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	8ADEFB
RGB	138, 222, 251
RGB Percent	54%, 87%, 98%
CMY	0.4584, 0.1295, 0.0156
CMYK	0.45, 0.12, 0.00, 0.02
HSL	195°, 93%, 76%
HSV	195°, 45%, 98%
XYZ	54.0290, 64.6109, 100.9010
YIQ	200.1900, -59.3730, -8.7890

Conversions

Conversions Part 2

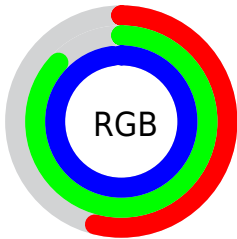
Format	Color
RYB	138, 186, 251
Decimal	9101051
CIELab	84.28, -18.06, -22.09
CIELCh	84, 28.533, 230.722
Yxy	64.6109, 0.2461, 0.2943
Android (android.graphics.Color)	4287291131 (0xFF8ADEFB)
YUV	200.1900, 25.0493, -54.5406
Hunter-Lab	80.3809, -20.6856, -18.1593

Details

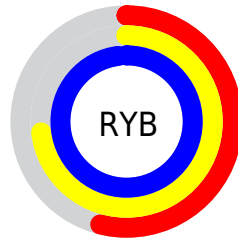
The Yxy color **64.6109, 0.2461, 0.2943** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.0362, 0.4191, 0.3601**, and the grayscale version is **57.7677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **33.1947, 0.2308, 0.2861** is the 20% darker color. If you saturate the color by 10%, you get **59.3495, 0.2337, 0.2851**, and if you desaturate by 10%, it is **70.5032, 0.2597, 0.3031**.

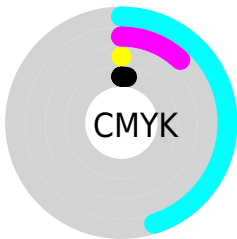
Distribution



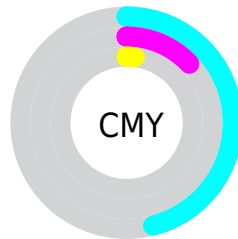
- Red (54%)
- Green (87%)
- Blue (98%)



- Red (54%)
- Yellow (73%)
- Blue (98%)



- Cyan (45%)
- Magenta (12%)
- Yellow (0%)
- Black (2%)





- Cyan (46%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.6109, 0.2461, 0.2943 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 64.6109, 0.2461, 0.2943 by changing the saturation by 10% instead.


 64.6109, 0.2461,
0.2943

 64.6109, 0.2461,
0.2943


441.3924, 0.2767,
0.3112

 47.1456, 0.2392,
0.2902


 111.4903, 0.2566,
0.3003

 33.1508, 0.2308,
0.2852


 141.6732, 0.2608,
0.3026

 22.2420, 0.2202,
0.2786


176.8641, 0.2643,
0.3046

 14.0348, 0.2066,
0.2698

217.4474, 0.2674,
0.3063

 8.1449, 0.1885,
0.2575

263.8074, 0.2702,
0.3078

 4.1878, 0.1637,
0.2394

316.3287, 0.2726,

 1.7792, 0.1281,

0.3091

0.2107

375.3956, 0.2748,
0.3102

■ 0.4741, 0.0032,
0.1574

■ 0.0000, 0.0000,
0.0000

■ 64.6109, 0.2461,
0.2943

■ 64.6109, 0.2461,
0.2943

■ 59.3495, 0.2337,
0.2851

■ 70.5032, 0.2597,
0.3031

■ 54.6758, 0.2230,
0.2755

■ 77.0518, 0.2743,
0.3113

■ 50.5516, 0.2141,
0.2658

■ 84.2892, 0.2895,
0.3189

■ 46.9301, 0.2073,
0.2561

■ 92.2433, 0.3050,
0.3258

■ 43.7539, 0.2024,
0.2465

■ 99.2704, 0.3151,
0.3321

■ 42.2865, 0.2005,
0.2417

■ 99.7459, 0.3150,
0.3328

Harmonies

Analogous

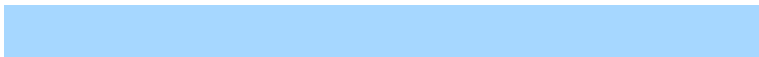
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.6109, 0.2552, 0.3251



64.6109, 0.2461, 0.2943



64.6109, 0.2534, 0.2753

Triad

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



64.6109, 0.2461, 0.2943



64.6109, 0.3453, 0.3006



64.6109, 0.3481, 0.3931

Complementary

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



64.6109, 0.2461, 0.2943



50.0362, 0.4191, 0.3601

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.



64.6109, 0.3745, 0.3817



64.6109, 0.2461, 0.2943



64.6109, 0.3734, 0.3282

Square

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



64.6109, 0.2461, 0.2943



64.6109, 0.3091, 0.2801



64.6109, 0.3842, 0.3575



64.6109, 0.3131, 0.3855

Rectangle

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



64.6109, 0.2461, 0.2943



64.6109, 0.2668, 0.2706



64.6109, 0.3842, 0.3575



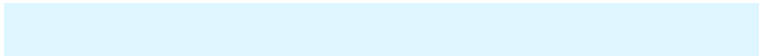
64.6109, 0.3583, 0.3912

Sweetspot

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



64.6134, 0.2461, 0.2943



88.9282, 0.2926, 0.3203



77.1809, 0.2925, 0.4348



18.6592, 0.2892, 0.3187



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.



64.6134, 0.2461, 0.2943



61.9985, 0.2348, 0.2860



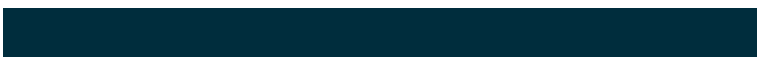
39.7716, 0.2336, 0.2233



18.8088, 0.2980, 0.3228



22.4718, 0.2009, 0.2433



2.2516, 0.2041, 0.2548

Inverse Universe

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



43.9922, 0.3441, 0.2439



39.1987, 0.3528, 0.2286



75.0115, 0.3916, 0.4154



17.4439, 0.3177, 0.3115



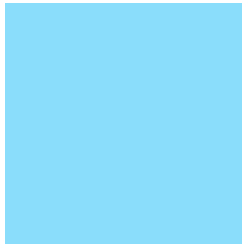
12.6794, 0.3990, 0.1971



1.1915, 0.3875, 0.1908

Previews

White Background



This preview shows how the Yxy color 64.6109, 0.2461, 0.2943 looks on a white background.

Color Contrast Check

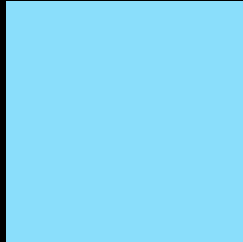
Large Text (above 18pt) WCAG AA × Fail

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 64.6109, 0.2461, 0.2943 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 64.6109, 0.2461, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 64.6109, 0.2461, 0.2943.

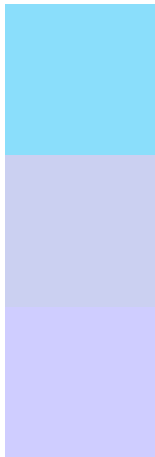


This preview shows how white text looks on a background with the Yxy color 64.6109, 0.2461, 0.2943.

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

64.6109, 0.2461, 0.2943

Protanopia

64.1591, 0.2873, 0.2923

Deuteranopia

64.1480, 0.2812, 0.2750



Tritanopia

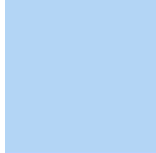
64.8730, 0.2493, 0.3070

Trichromacy



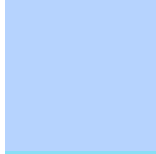
Original Color

64.6109, 0.2461, 0.2943



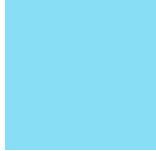
Protanomaly

63.7648, 0.2698, 0.2922



Deuteranomaly

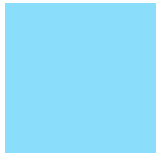
63.6894, 0.2664, 0.2805



Tritanomaly

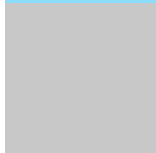
64.6022, 0.2481, 0.3023

Monochromacy



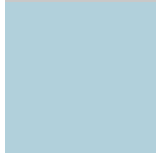
Original Color

64.6109, 0.2461, 0.2943



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

59.5733, 0.2833, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6109, 0.2461, 0.2943 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(138, 222, 251)` looks like.

```
.text, #text, p{  
    color:rgb(138, 222, 251)  
}
```

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(138, 222, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 222, 251) }
```

Border

The CSS property to change the border of an element to Yxy 64.6109, 0.2461, 0.2943 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(138, 222, 251) }
```

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

```
.border{ border-color:rgb(138, 222, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 222, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 222, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 222, 251);  
box-shadow:4px 4px 4px 4px rgb(138, 222,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6109, 0.2461, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 222, 251) }
```

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

```
.background{ background-color: rgb(138,  
222, 251) }
```

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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