

Converting Colors

$Yxy(64.5591, 0.2540, 0.3168)$

Have a look what the booklet for
Yxy(64.5591, 0.2540, 0.3168)
contains.

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Color

Yxy(64.5702, 0.2541, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	89E0EA
RGB	137, 224, 234
RGB Percent	54%, 88%, 92%
CMY	0.4626, 0.1216, 0.0824
CMYK	0.41, 0.04, 0.00, 0.08
HSL	186°, 70%, 73%
HSV	186°, 41%, 92%
XYZ	51.8234, 64.5702, 87.5552
YIQ	199.1270, -55.0620, -15.3340

Conversions

Conversions Part 2

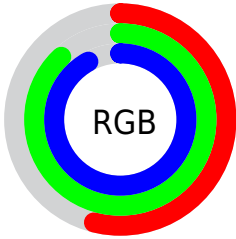
Format	Color
R _Y B	137, 183, 234
Decimal	9036010
CIE Lab	84.26, -23.69, -13.12
CIE LCh	84, 27.077, 208.975
Yxy	64.5702, 0.2541, 0.3166
Android (android.graphics.Color)	4287226090 (0xFF89E0EA)
YUV	199.1270, 17.1924, -54.4854
Hunter-Lab	80.3556, -25.5030, -8.3533

Details

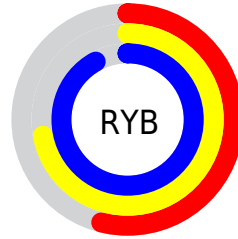
The Yxy color **64.5702, 0.2541, 0.3166** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.1631, 0.4146, 0.3407**, and the grayscale version is **57.1172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **33.2958, 0.2408, 0.3140** is the 20% darker color. If you saturate the color by 10%, you get **61.5199, 0.2431, 0.3131**, and if you desaturate by 10%, it is **68.0726, 0.2666, 0.3199**.

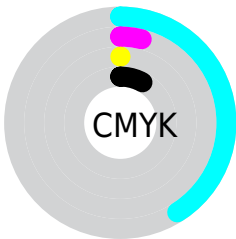
Distribution



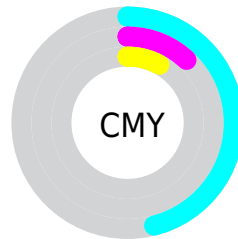
- Red (54%)
- Green (88%)
- Blue (92%)



- Red (54%)
- Yellow (72%)
- Blue (92%)



- Cyan (41%)
- Magenta (4%)
- Yellow (0%)
- Black (8%)




- Cyan (46%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.5702, 0.2541, 0.3166 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 64.5702, 0.2541, 0.3166 by changing the saturation by 10% instead.

 64.5702, 0.2541,
0.3166

 64.5702, 0.2541,
0.3166


441.2458, 0.2812,
0.3231

 47.1127, 0.2479,
0.3149


 111.4317, 0.2635,
0.3190

 33.1247, 0.2403,
0.3128


 141.6045, 0.2672,
0.3199

 22.2220, 0.2307,
0.3099


176.7844, 0.2703,
0.3206

 14.0201, 0.2182,
0.3059

217.3559, 0.2731,
0.3213

 8.1347, 0.2015,
0.3000

263.7035, 0.2755,
0.3218

 4.1812, 0.1778,
0.2905

316.2114, 0.2776,

 1.7755, 0.1426,

0.3223

0.2736

375.2640, 0.2795,
0.3227

0.4718, 0.0000,
0.2381

0.0000, 0.0000,
0.0000

64.5702, 0.2541,
0.3166

64.5702, 0.2541,
0.3166

61.5199, 0.2431,
0.3131

68.0726, 0.2666,
0.3199

58.8861, 0.2338,
0.3096

72.0451, 0.2804,
0.3230

56.6399, 0.2264,
0.3060

76.5137, 0.2951,
0.3260

54.7452, 0.2210,
0.3024

81.5004, 0.3105,
0.3286

■ 53.1591, 0.2174,
0.2989

■ 87.0259, 0.3262,
0.3311

■ 51.9860, 0.2155,
0.2958

■ 88.6079, 0.3266,
0.3334

■ 90.0225, 0.3264,
0.3358

■ 91.4558, 0.3261,
0.3381

■ 92.9081, 0.3259,
0.3404

Harmonies

Analogous

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



64.5702, 0.2735, 0.3493



64.5702, 0.2541, 0.3166



64.5702, 0.2497, 0.2898

Triad

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



64.5702, 0.2541, 0.3166



64.5702, 0.3189, 0.2868



64.5702, 0.3658, 0.3836

Complementary

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



64.5702, 0.2541, 0.3166



40.1631, 0.4146, 0.3407

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.



64.5702, 0.3799, 0.3634



64.5702, 0.2541, 0.3166



64.5702, 0.3522, 0.3088

Square

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



64.5702, 0.2541, 0.3166



64.5702, 0.2856, 0.2747



64.5702, 0.3750, 0.3362



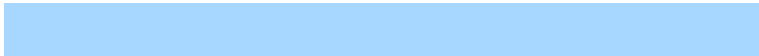
64.5702, 0.3377, 0.3897

Rectangle

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



64.5702, 0.2541, 0.3166



64.5702, 0.2554, 0.2786



64.5702, 0.3750, 0.3362



64.5702, 0.3724, 0.3781

Sweetspot

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



64.5727, 0.2541, 0.3166



92.6592, 0.2942, 0.3258



66.2510, 0.3016, 0.4442



19.6738, 0.2922, 0.3254



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.



64.5727, 0.2541, 0.3166



75.2053, 0.2443, 0.3136



42.2348, 0.2439, 0.2533



16.8416, 0.2981, 0.3265



29.3286, 0.2157, 0.2964



2.3794, 0.2170, 0.3013

Inverse Universe

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



40.7695, 0.3265, 0.2363



42.9720, 0.3300, 0.2185



58.4139, 0.3911, 0.3939



15.2855, 0.3154, 0.3081



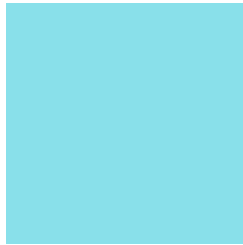
12.4535, 0.3486, 0.1694



0.9856, 0.3443, 0.1670

Previews

White Background



This preview shows how the Yxy color 64.5702, 0.2541, 0.3166 looks on a white background.

Color Contrast Check

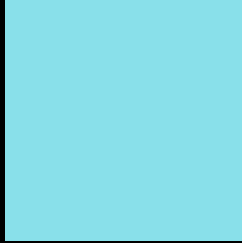
Large Text (above 18pt) WCAG AA × Fail

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 64.5702, 0.2541, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

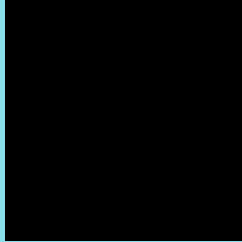
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5702, 0.2541, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 64.5702, 0.2541, 0.3166.

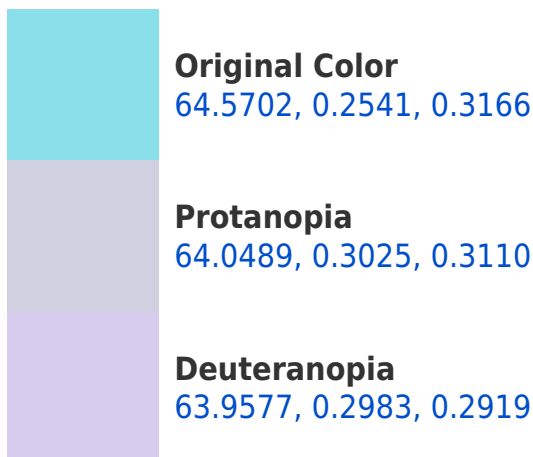


This preview shows how white text looks on a background with the Yxy color 64.5702, 0.2541, 0.3166.

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

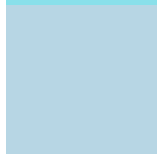
64.6152, 0.2514, 0.3071

Trichromacy



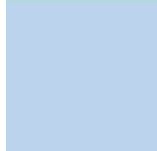
Original Color

64.5702, 0.2541, 0.3166



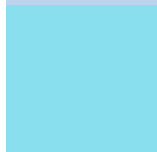
Protanomaly

63.7619, 0.2822, 0.3125



Deuteranomaly

63.2678, 0.2792, 0.2991



Tritanomaly

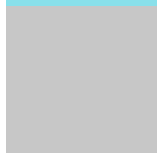
64.3517, 0.2524, 0.3106

Monochromacy



Original Color

64.5702, 0.2541, 0.3166



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.0953, 0.2870, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5702, 0.2541, 0.3166 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(137, 224, 234)` looks like.

```
.text, #text, p{  
    color:rgb(137, 224, 234)  
}
```

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(137, 224, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 224, 234) }
```

Border

The CSS property to change the border of an element to Yxy 64.5702, 0.2541, 0.3166 is called "border". The border property can be set on classes, ids or directly on the HTML element.

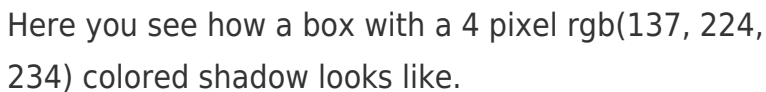
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 224, 234) }
```

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

```
.border{ border-color:rgb(137, 224, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 224, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 224, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 224, 234); box-shadow:4px 4px 4px 4px rgb(137, 224, 234) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5702, 0.2541, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 224, 234) }
```

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

```
.background{ background-color: rgb(137,  
224, 234) }
```

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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