

Converting Colors

$Yxy(54.6125, 0.2383, 0.3079)$

Have a look what the booklet for
Yxy(54.6125, 0.2383, 0.3079)
contains.

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Color

Yxy(54.8462, 0.2388, 0.3089)

Conversions

Conversions Part 1

Format	Color
Hex	65D3E2
RGB	101, 211, 226
RGB Percent	40%, 83%, 89%
CMY	0.6034, 0.1726, 0.1137
CMYK	0.55, 0.07, 0.00, 0.11
HSL	187°, 68%, 64%
HSV	187°, 55%, 89%
XYZ	42.3997, 54.8462, 80.3073
YIQ	179.8200, -70.3750, -18.6550

Conversions

Conversions Part 2

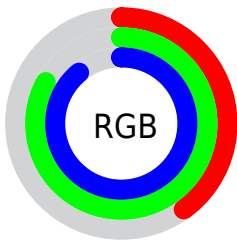
Format	Color
RYB	101, 160, 226
Decimal	6673378
CIELab	78.95, -27.24, -16.99
CIELCh	79, 32.101, 211.956
Yxy	54.8462, 0.2388, 0.3089
Android (android.graphics.Color)	4284863458 (0xFF65D3E2)
YUV	179.8200, 22.7667, -69.1251
Hunter-Lab	74.0582, -27.4073, -12.4522

Details

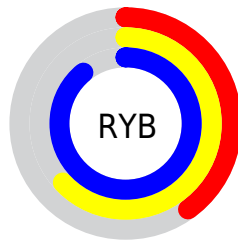
The Yxy color **54.8462, 0.2388, 0.3089** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.6379, 0.4672, 0.3463**, and the grayscale version is **45.4626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3171, 0.2610, 0.3288**, and **26.9502, 0.2204, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **52.3770, 0.2300, 0.3047**, and if you desaturate by 10%, it is **57.7012, 0.2494, 0.3130**.

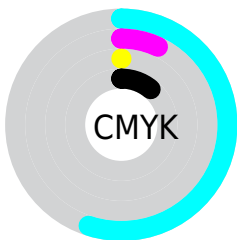
Distribution



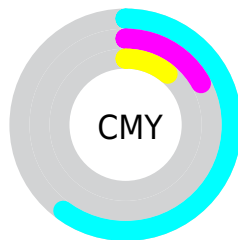
- Red (40%)
- Green (83%)
- Blue (89%)



- Red (40%)
- Yellow (63%)
- Blue (89%)



- Cyan (55%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (60%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8462, 0.2388, 0.3089 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 54.8462, 0.2388, 0.3089 by changing the saturation by 10% instead.


 54.8462, 0.2388,
0.3089


 54.8462, 0.2388,
0.3089


405.3287, 0.2737,
0.3196


 39.2786, 0.2307,
0.3061

 97.3156, 0.2510,
0.3129


 26.9765, 0.2207,
0.3024


 124.9861, 0.2557,
0.3144

 17.5556, 0.2079,
0.2974


 157.4598, 0.2598,
0.3156

 10.6314, 0.1913,
0.2903

 195.1210, 0.2633,
0.3167

 5.8196, 0.1687,
0.2796

238.3541, 0.2664,
0.3176

 2.7357, 0.1369,
0.2620

287.5435, 0.2691,

 0.9953, 0.0658,

0.3183

0.2362

343.0735, 0.2715,
0.3190

0.0000, 0.0000,
0.0000

54.8462, 0.2388,
0.3089

54.8462, 0.2388,
0.3089

52.3770, 0.2300,
0.3047

57.7012, 0.2494,
0.3130

50.2570, 0.2231,
0.3005

60.9626, 0.2615,
0.3169

48.4532, 0.2182,
0.2962


64.6568, 0.2750,
0.3207


46.9224, 0.2150,
0.2921


68.8061, 0.2895,
0.3242

46.2574, 0.2139,
0.2901

73.4313, 0.3046,
0.3274

 78.5518, 0.3201,
0.3304

 83.3539, 0.3327,
0.3330

 84.8789, 0.3324,
0.3357

 86.4275, 0.3320,
0.3384

Harmonies

Analogous

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



54.8462, 0.2606, 0.3503



54.8462, 0.2388, 0.3089



54.8462, 0.2354, 0.2773

Triad

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



54.8462, 0.2388, 0.3089



54.8462, 0.3245, 0.2793



54.8462, 0.3758, 0.3986

Complementary

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



54.8462, 0.2388, 0.3089



29.6379, 0.4672, 0.3463

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.



54.8462, 0.3961, 0.3738



54.8462, 0.2388, 0.3089



54.8462, 0.3657, 0.3068

Square

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



54.8462, 0.2388, 0.3089



54.8462, 0.2825, 0.2631



54.8462, 0.3926, 0.3405



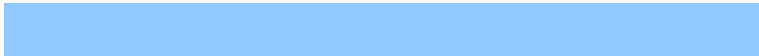
54.8462, 0.3392, 0.4052

Rectangle

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



54.8462, 0.2388, 0.3089



54.8462, 0.2437, 0.2650



54.8462, 0.3926, 0.3405



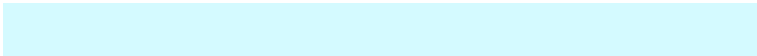
54.8462, 0.3849, 0.3919

Sweetspot

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



54.8483, 0.2388, 0.3089



89.4034, 0.2867, 0.3236



58.4250, 0.2977, 0.4870



18.8942, 0.2837, 0.3229



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.



54.8483, 0.2388, 0.3089



68.5099, 0.2291, 0.3042



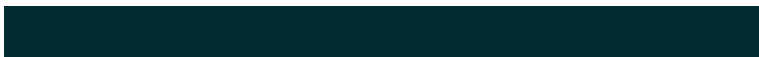
29.7610, 0.2200, 0.2192



15.2761, 0.2982, 0.3261



26.5047, 0.2141, 0.2908



1.9176, 0.2159, 0.2972

Inverse Universe

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



30.2056, 0.3344, 0.2113



34.0121, 0.3396, 0.1939



49.0081, 0.4214, 0.4158



13.9058, 0.3156, 0.3086



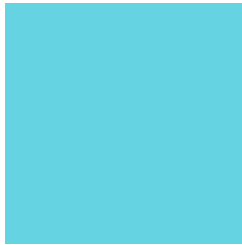
11.5837, 0.3537, 0.1722



0.8110, 0.3479, 0.1690

Previews

White Background



This preview shows how the Yxy color 54.8462, 0.2388, 0.3089 looks on a white background.

Color Contrast Check

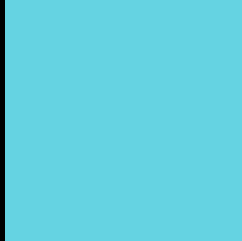
Large Text (above 18pt) WCAG AA × Fail

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 54.8462, 0.2388, 0.3089 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

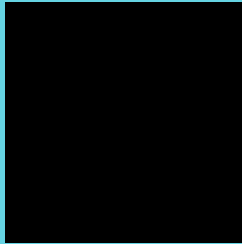
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.8462, 0.2388, 0.3089

Background



This preview shows how black text looks on a background with the Yxy color 54.8462, 0.2388, 0.3089.



This preview shows how white text looks on a background with the Yxy color 54.8462, 0.2388, 0.3089.

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

54.8462, 0.2388, 0.3089

Protanopia

54.2014, 0.2967, 0.3038

Deuteranopia

54.1985, 0.2872, 0.2813



Tritanopia

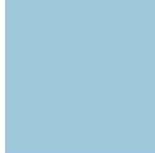
55.0147, 0.2382, 0.3064

Trichromacy



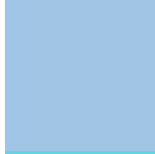
Original Color

54.8462, 0.2388, 0.3089



Protanomaly

53.7414, 0.2712, 0.3061



Deuteranomaly

53.6224, 0.2657, 0.2906



Tritanomaly

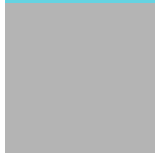
54.9594, 0.2387, 0.3077

Monochromacy



Original Color

54.8462, 0.2388, 0.3089



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

47.8721, 0.2779, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8462, 0.2388, 0.3089 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(101, 211, 226)` looks like.

```
.text, #text, p{  
    color:rgb(101, 211, 226)  
}
```

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(101, 211, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 211, 226) }
```

Border

The CSS property to change the border of an element to Yxy 54.8462, 0.2388, 0.3089 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(101, 211, 226) }
```

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

```
.border{ border-color:rgb(101, 211, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 211, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 211, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 211, 226);  
box-shadow:4px 4px 4px 4px rgb(101, 211,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8462, 0.2388, 0.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 211, 226) }
```

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

```
.background{ background-color: rgb(101,  
211, 226) }
```

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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