

Converting Colors

$Yxy(54.8315, 0.2315, 0.3004)$

Have a look what the booklet for
Yxy(54.8315, 0.2315, 0.3004)
contains.

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Color

Yxy(54.5956, 0.2313, 0.2998)

Conversions

Conversions Part 1

Format	Color
Hex	59D3E9
RGB	89, 211, 233
RGB Percent	35%, 83%, 91%
CMY	0.6508, 0.1725, 0.0864
CMYK	0.62, 0.09, 0.00, 0.09
HSL	189°, 77%, 63%
HSV	189°, 62%, 91%
XYZ	42.1213, 54.5956, 85.3898
YIQ	177.0300, -79.7740, -19.0220

Conversions

Conversions Part 2

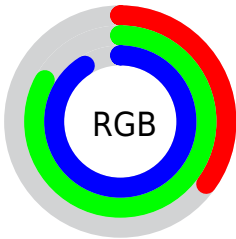
Format	Color
R _Y B	89, 155, 233
Decimal	5886953
CIE Lab	78.81, -27.45, -20.97
CIE LCh	79, 34.546, 217.383
Yxy	54.5956, 0.2313, 0.2998
Android (android.graphics.Color)	4284077033 (0xFF59D3E9)
YUV	177.0300, 27.5932, -77.2023
Hunter-Lab	73.8888, -27.5492, -16.7965

Details

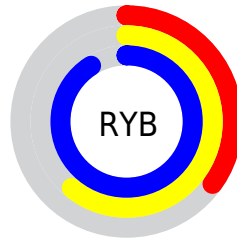
The Yxy color **54.5956, 0.2313, 0.2998** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **29.4126, 0.4922, 0.3524**, and the grayscale version is **43.8721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4154, 0.2570, 0.3288**, and **26.9513, 0.2143, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **51.8735, 0.2233, 0.2943**, and if you desaturate by 10%, it is **57.7255, 0.2412, 0.3052**.

Distribution



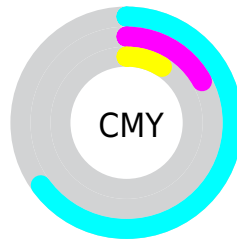
- Red (35%)
- Green (83%)
- Blue (91%)



- Red (35%)
- Yellow (61%)
- Blue (91%)



- Cyan (62%)
- Magenta (9%)
- Yellow (0%)
- Black (9%)




- Cyan (65%)
- Magenta (17%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5956, 0.2313, 0.2998 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 54.5956, 0.2313, 0.2998 by changing the saturation by 10% instead.


 54.5956, 0.2313,
0.2998


 54.5956, 0.2313,
0.2998


404.3772, 0.2696,
0.3151


 39.0780, 0.2225,
0.2959

 96.9482, 0.2446,
0.3055

 26.8204, 0.2116,
0.2908


 124.5520, 0.2498,
0.3075

 17.4384, 0.1979,
0.2840


 156.9534, 0.2543,
0.3093

 10.5476, 0.1801,
0.2745

 194.5367, 0.2581,
0.3108

 5.7635, 0.1563,
0.2605

237.6863, 0.2615,
0.3121

 2.7018, 0.1236,
0.2384

286.7867, 0.2645,

 0.9781, 0.0539,

0.3132

0.2055

342.2222, 0.2672,
0.3142

0.0000, 0.0000,
0.0000

54.5956, 0.2313,
0.2998

54.5956, 0.2313,
0.2998

51.8735, 0.2233,
0.2943

57.7255, 0.2412,
0.3052

49.5170, 0.2173,
0.2888

61.2884, 0.2527,
0.3104

47.4851, 0.2131,
0.2834

65.3144, 0.2657,
0.3153

46.0014, 0.2108,
0.2790

69.8290, 0.2797,
0.3200

74.8558, 0.2946,
0.3244

80.4167, 0.3099,
0.3283

86.5322, 0.3255,
0.3319

89.1416, 0.3271,
0.3354

91.2499, 0.3268,
0.3388

Harmonies

Analogous

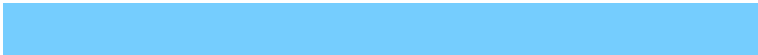
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.5956, 0.2511, 0.3435



54.5956, 0.2313, 0.2998



54.5956, 0.2314, 0.2689

Triad

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



54.5956, 0.2313, 0.2998



54.5956, 0.3338, 0.2803



54.5956, 0.3743, 0.4069

Complementary

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



54.5956, 0.2313, 0.2998



29.4126, 0.4922, 0.3524

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.



54.5956, 0.4002, 0.3826



54.5956, 0.2313, 0.2998



54.5956, 0.3767, 0.3113

Square

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



54.5956, 0.2313, 0.2998



54.5956, 0.2877, 0.2605



54.5956, 0.4016, 0.3477



54.5956, 0.3328, 0.4100

Rectangle

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



54.5956, 0.2313, 0.2998



54.5956, 0.2425, 0.2581



54.5956, 0.4016, 0.3477



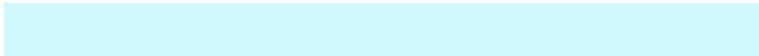
54.5956, 0.3852, 0.4006

Sweetspot

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



54.5976, 0.2313, 0.2998



87.3122, 0.2837, 0.3212



61.5295, 0.2946, 0.5021



18.3235, 0.2795, 0.3199



0.0000, 0.0000, 0.0000



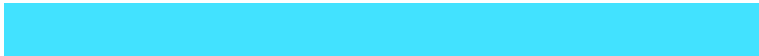
21.4041, 0.3127, 0.3290

Same Dimension

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



54.5976, 0.2313, 0.2998



62.8871, 0.2216, 0.2929



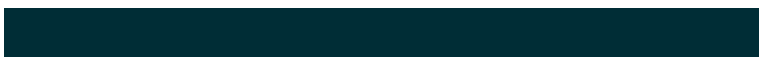
26.5934, 0.2076, 0.1964



16.7073, 0.2981, 0.3253



26.2558, 0.2111, 0.2798



2.1677, 0.2132, 0.2873

Inverse Universe

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



29.1739, 0.3427, 0.2043



30.6932, 0.3502, 0.1887



51.7426, 0.4330, 0.4287



15.2719, 0.3161, 0.3093



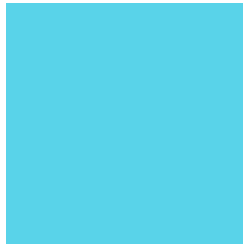
12.1433, 0.3636, 0.1777



0.9642, 0.3568, 0.1739

Previews

White Background



This preview shows how the Yxy color 54.5956, 0.2313, 0.2998 looks on a white background.

Color Contrast Check

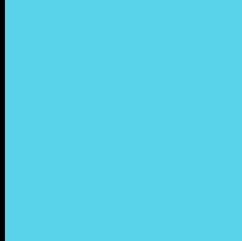
Large Text (above 18pt) WCAG AA × Fail

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 54.5956, 0.2313, 0.2998 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 54.5956, 0.2313, 0.2998

Background



This preview shows how black text looks on a background with the Yxy color 54.5956, 0.2313, 0.2998.



This preview shows how white text looks on a background with the Yxy color 54.5956, 0.2313, 0.2998.

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

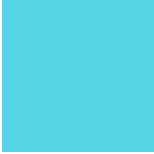
54.5956, 0.2313, 0.2998

Protanopia

53.7385, 0.2896, 0.2943

Deuteranopia

53.9471, 0.2790, 0.2733



Tritanopia

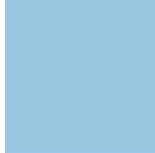
54.7703, 0.2326, 0.3062

Trichromacy



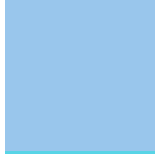
Original Color

54.5956, 0.2313, 0.2998



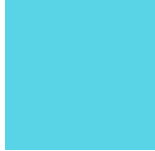
Protanomaly

53.0554, 0.2631, 0.2961



Deuteranomaly

53.2166, 0.2568, 0.2819



Tritanomaly

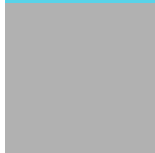
54.8748, 0.2325, 0.3049

Monochromacy



Original Color

54.5956, 0.2313, 0.2998



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.4462, 0.2735, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5956, 0.2313, 0.2998 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(89, 211, 233)` looks like.

```
.text, #text, p{  
    color:rgb(89, 211, 233)  
}
```

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(89, 211, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 211, 233) }
```

Border

The CSS property to change the border of an element to Yxy 54.5956, 0.2313, 0.2998 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(89, 211, 233) }
```

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

```
.border{ border-color:rgb(89, 211, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 211, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 211, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 211, 233);  
box-shadow:4px 4px 4px 4px rgb(89, 211,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5956, 0.2313, 0.2998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 211, 233) }
```

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

```
.background{ background-color: rgb(89, 211,  
233) }
```

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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