

Converting Colors

$Yxy(53.2158, 0.2337, 0.3059)$

Have a look what the booklet for
Yxy(53.2158, 0.2337, 0.3059)
contains.

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Color

Yxy(53.2158, 0.2337, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	59D1E2
RGB	89, 209, 226
RGB Percent	35%, 82%, 89%
CMY	0.6506, 0.1804, 0.1136
CMYK	0.61, 0.08, 0.00, 0.11
HSL	187°, 70%, 62%
HSV	187°, 61%, 89%
XYZ	40.6555, 53.2158, 80.0933
YIQ	175.0580, -76.9770, -20.1530

Conversions

Conversions Part 2

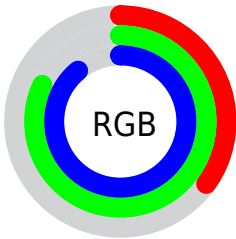
Format	Color
R _Y B	89, 153, 226
Decimal	5886434
CIE Lab	78.00, -28.45, -18.47
CIE LCh	78, 33.920, 212.988
Yxy	53.2158, 0.2337, 0.3059
Android (android.graphics.Color)	4284076514 (0xFF59D1E2)
YUV	175.0580, 25.1144, -75.4729
Hunter-Lab	72.9492, -28.1806, -14.0321

Details

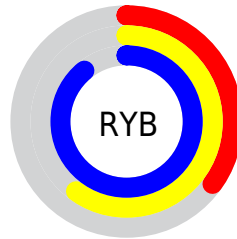
The Yxy color **53.2158, 0.2337, 0.3059** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.2264, 0.4899, 0.3478**, and the grayscale version is **42.8117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3193, 0.2566, 0.3288**, and **26.0515, 0.2160, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **50.8979, 0.2259, 0.3015**, and if you desaturate by 10%, it is **55.9053, 0.2434, 0.3102**.

Distribution



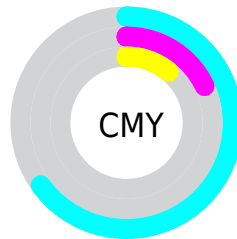
- Red (35%)
- Green (82%)
- Blue (89%)



- Red (35%)
- Yellow (60%)
- Blue (89%)



- Cyan (61%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)





- Cyan (65%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2158, 0.2337, 0.3059 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 53.2158, 0.2337, 0.3059 by changing the saturation by 10% instead.


 53.2158, 0.2337,
0.3059


 53.2158, 0.2337,
0.3059


399.1125, 0.2711,
0.3183


 37.9751, 0.2250,
0.3026

 94.9218, 0.2468,
0.3105

 25.9633, 0.2143,
0.2984


 122.1559, 0.2519,
0.3122

 16.7962, 0.2006,
0.2926


 154.1566, 0.2562,
0.3137

 10.0893, 0.1828,
0.2844

 191.3083, 0.2600,
0.3149

 5.4582, 0.1587,
0.2720

233.9953, 0.2633,
0.3159

 2.5185, 0.1252,
0.2517

282.6021, 0.2662,

 0.8859, 0.0373,

0.3168

0.2242

337.5130, 0.2688,
0.3176

0.0000, 0.0000,
0.0000

53.2158, 0.2337,
0.3059

53.2158, 0.2337,
0.3059

50.8979, 0.2259,
0.3015

55.9053, 0.2434,
0.3102

48.9129, 0.2199,
0.2971

58.9889, 0.2548,
0.3144

47.2239, 0.2159,
0.2928

62.4942, 0.2676,
0.3184

45.8416, 0.2135,
0.2887

66.4446, 0.2816,
0.3221

70.8617, 0.2965,
0.3256

■ 75.7655, 0.3118,
0.3288

■ 81.1750, 0.3274,
0.3317

■ 84.1707, 0.3325,
0.3345

■ 85.7609, 0.3322,
0.3372

Harmonies

Analogous

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



53.2158, 0.2561, 0.3501



53.2158, 0.2337, 0.3059



53.2158, 0.2309, 0.2729

Triad

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



53.2158, 0.2337, 0.3059



53.2158, 0.3268, 0.2771



53.2158, 0.3787, 0.4037

Complementary

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



53.2158, 0.2337, 0.3059



27.2264, 0.4899, 0.3478

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.



53.2158, 0.4013, 0.3775



53.2158, 0.2337, 0.3059



53.2158, 0.3706, 0.3065

Square

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



53.2158, 0.2337, 0.3059



53.2158, 0.2818, 0.2594



53.2158, 0.3987, 0.3422



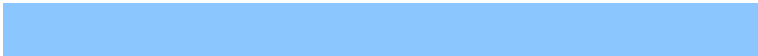
53.2158, 0.3391, 0.4104

Rectangle

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



53.2158, 0.2337, 0.3059



53.2158, 0.2400, 0.2604



53.2158, 0.3987, 0.3422



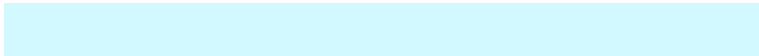
53.2158, 0.3886, 0.3966

Sweetspot

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



53.2178, 0.2337, 0.3059



88.7223, 0.2852, 0.3230



57.5527, 0.2969, 0.5042



18.6418, 0.2810, 0.3220



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.



53.2178, 0.2337, 0.3059



66.1106, 0.2239, 0.3002



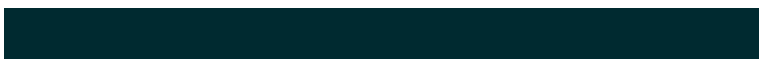
26.8412, 0.2113, 0.2065



15.2662, 0.2982, 0.3260



26.2676, 0.2137, 0.2894



1.9034, 0.2156, 0.2961

Inverse Universe

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



27.9345, 0.3375, 0.2029



31.3157, 0.3437, 0.1859



46.9851, 0.4336, 0.4225



13.9048, 0.3157, 0.3087



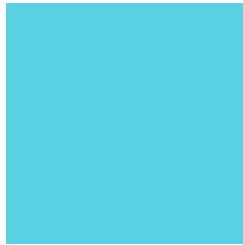
11.5598, 0.3549, 0.1729



0.8096, 0.3489, 0.1696

Previews

White Background



This preview shows how the Yxy color 53.2158, 0.2337, 0.3059 looks on a white background.

Color Contrast Check

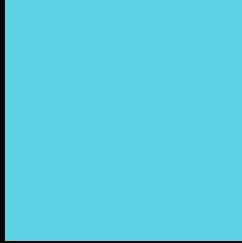
Large Text (above 18pt) WCAG AA × Fail

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 53.2158, 0.2337, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

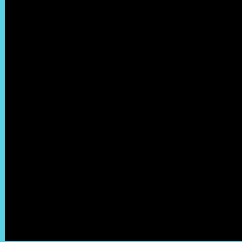
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.2158, 0.2337, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 53.2158, 0.2337, 0.3059.

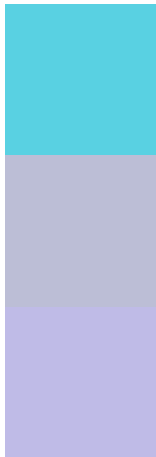


This preview shows how white text looks on a background with the Yxy color 53.2158, 0.2337, 0.3059.

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

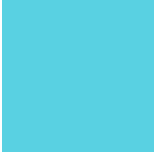
53.2158, 0.2337, 0.3059

Protanopia

52.3733, 0.2936, 0.2998

Deuteranopia

52.3865, 0.2841, 0.2773



Tritanopia

53.2158, 0.2337, 0.3059

Trichromacy



Original Color

53.2158, 0.2337, 0.3059

Protanomaly

51.6699, 0.2663, 0.3019

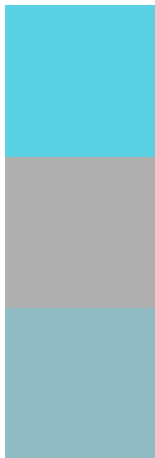
Deuteranomaly

51.5574, 0.2608, 0.2862

Tritanomaly

53.2158, 0.2337, 0.3059

Monochromacy



Original Color

53.2158, 0.2337, 0.3059

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

45.3650, 0.2745, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2158, 0.2337, 0.3059 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, 209, 226)` looks like.

```
.text, #text, p{  
    color:rgb(89, 209, 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(89, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 209, 226) }
```

Border

The CSS property to change the border of an element to Yxy 53.2158, 0.2337, 0.3059 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, 209, 226) }
```

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

```
.border{ border-color:rgb(89, 209, 226) }
```

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

Here you see how a box with a 4 pixel rgb(89, 209, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 209, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 209, 226);  
box-shadow:4px 4px 4px 4px rgb(89, 209,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2158, 0.2337, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 209, 226) }
```

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

```
.background{ background-color: rgb(89, 209,  
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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