

Converting Colors

$Yxy(53.4294, 0.2406, 0.3049)$

Have a look what the booklet for
Yxy(53.4294, 0.2406, 0.3049)
contains.

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Color

Yxy(53.1877, 0.2406, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	6BCFE1
RGB	107, 207, 225
RGB Percent	42%, 81%, 88%
CMY	0.5802, 0.1882, 0.1177
CMYK	0.52, 0.08, 0.00, 0.12
HSL	189°, 66%, 65%
HSV	189°, 52%, 88%
XYZ	41.9710, 53.1877, 79.2844
YIQ	179.1520, -65.3780, -15.6020

Conversions

Conversions Part 2

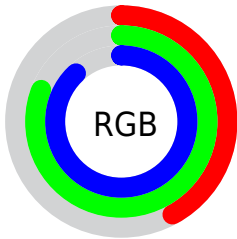
Format	Color
RYB	107, 161, 225
Decimal	7065569
CIELab	77.99, -24.36, -17.89
CIELCh	78, 30.222, 216.288
Yxy	53.1877, 0.2406, 0.3049
Android (android.graphics.Color)	4285255649 (0xFF6BCFE1)
YUV	179.1520, 22.6031, -63.2773
Hunter-Lab	72.9299, -24.9009, -13.4051

Details

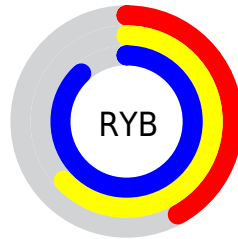
The Yxy color **53.1877, 0.2406, 0.3049** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.7515, 0.4526, 0.3501**, and the grayscale version is **45.0761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8470, 0.2633, 0.3289**, and **25.8302, 0.2224, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **50.3252, 0.2309, 0.2995**, and if you desaturate by 10%, it is **56.4532, 0.2520, 0.3101**.

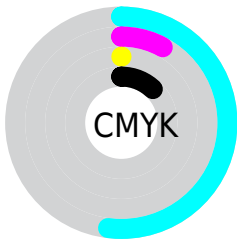
Distribution



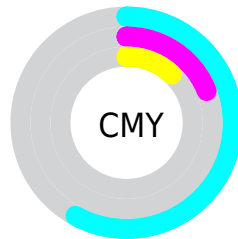
- Red (42%)
- Green (81%)
- Blue (88%)



- Red (42%)
- Yellow (63%)
- Blue (88%)



- Cyan (52%)
- Magenta (8%)
- Yellow (0%)
- Black (12%)




- Cyan (58%)
- Magenta (19%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1877, 0.2406, 0.3049 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 53.1877, 0.2406, 0.3049 by changing the saturation by 10% instead.


 53.1877, 0.2406,
0.3049


 53.1877, 0.2406,
0.3049


399.0048, 0.2749,
0.3175


 37.9526, 0.2326,
0.3016


 94.8805, 0.2526,
0.3096

 25.9459, 0.2227,
0.2974


 122.1070, 0.2573,
0.3113

 16.7832, 0.2100,
0.2916

 154.0995, 0.2612,
0.3128

 10.0800, 0.1934,
0.2835

191.2423, 0.2647,
0.3140

 5.4521, 0.1708,
0.2714

233.9199, 0.2677,
0.3151

 2.5149, 0.1387,
0.2518

282.5165, 0.2704,

 0.8841, 0.0620,

0.3160

0.2233

337.4167, 0.2727,
0.3168

0.0000, 0.0000,
0.0000

53.1877, 0.2406,
0.3049

53.1877, 0.2406,
0.3049

50.3252, 0.2309,
0.2995

56.4532, 0.2520,
0.3101

47.8307, 0.2230,
0.2941

60.1416, 0.2649,
0.3151

45.6729, 0.2170,
0.2886

64.2785, 0.2789,
0.3198

43.8117, 0.2130,
0.2832

68.8856, 0.2937,
0.3241

42.5488, 0.2109,
0.2791

73.9831, 0.3090,
0.3281

79.5900, 0.3245,
0.3317

83.8665, 0.3333,
0.3351

85.8079, 0.3328,
0.3384

87.7873, 0.3324,
0.3418

Harmonies

Analogous

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



53.1877, 0.2591, 0.3435



53.1877, 0.2406, 0.3049



53.1877, 0.2400, 0.2766

Triad

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



53.1877, 0.2406, 0.3049



53.1877, 0.3300, 0.2848



53.1877, 0.3686, 0.3975

Complementary

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



53.1877, 0.2406, 0.3049



31.7515, 0.4526, 0.3501

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.



53.1877, 0.3905, 0.3760



53.1877, 0.2406, 0.3049



53.1877, 0.3680, 0.3124

Square

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



53.1877, 0.2406, 0.3049



53.1877, 0.2894, 0.2674



53.1877, 0.3906, 0.3449



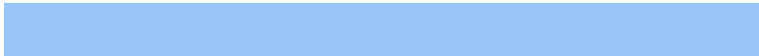
53.1877, 0.3323, 0.4003

Rectangle

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



53.1877, 0.2406, 0.3049



53.1877, 0.2496, 0.2664



53.1877, 0.3906, 0.3449



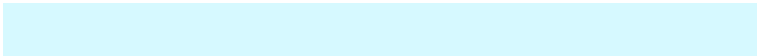
53.1877, 0.3780, 0.3920

Sweetspot

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



53.1897, 0.2406, 0.3049



89.1576, 0.2881, 0.3225



58.4519, 0.2963, 0.4721



18.8112, 0.2851, 0.3216



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.



53.1897, 0.2406, 0.3049



66.4809, 0.2300, 0.2990



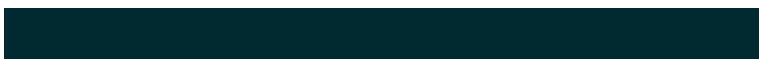
29.8511, 0.2236, 0.2202



15.1973, 0.2982, 0.3253



24.6584, 0.2111, 0.2800



1.8069, 0.2134, 0.2883

Inverse Universe

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



31.0394, 0.3371, 0.2199



35.0681, 0.3436, 0.2021



51.2336, 0.4124, 0.4160



13.8978, 0.3161, 0.3094



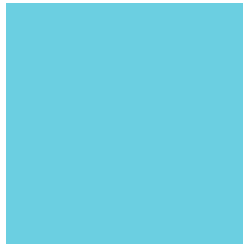
11.3973, 0.3635, 0.1776



0.7999, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 53.1877, 0.2406, 0.3049 looks on a white background.

Color Contrast Check

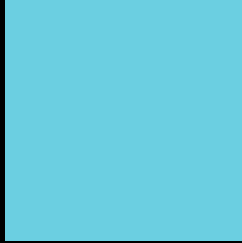
Large Text (above 18pt) WCAG AA × Fail

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 53.1877, 0.2406, 0.3049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

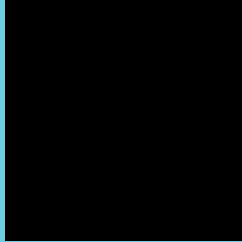
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.1877, 0.2406, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 53.1877, 0.2406, 0.3049.



This preview shows how white text looks on a background with the Yxy color 53.1877, 0.2406, 0.3049.

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

53.1877, 0.2406, 0.3049

Protanopia

52.3733, 0.2936, 0.2998

Deuteranopia

52.4043, 0.2862, 0.2795



Tritanopia

53.1333, 0.2410, 0.3062

Trichromacy



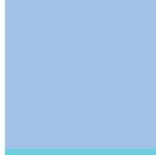
Original Color

53.1877, 0.2406, 0.3049



Protanomaly

51.9127, 0.2707, 0.3010



Deuteranomaly

51.7621, 0.2657, 0.2866



Tritanomaly

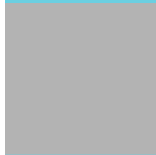
53.1333, 0.2410, 0.3062

Monochromacy



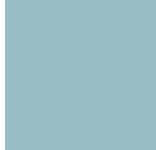
Original Color

53.1877, 0.2406, 0.3049



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.1530, 0.2798, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1877, 0.2406, 0.3049 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(107, 207, 225)` looks like.

```
.text, #text, p{  
    color:rgb(107, 207, 225)  
}
```

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(107, 207, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 207, 225) }
```

Border

The CSS property to change the border of an element to Yxy 53.1877, 0.2406, 0.3049 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(107, 207, 225) }
```

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

```
.border{ border-color:rgb(107, 207, 225) }
```

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

Here you see how a box with a 4 pixel rgb(107, 207, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 207, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 207, 225);  
box-shadow:4px 4px 4px 4px rgb(107, 207,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1877, 0.2406, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 207, 225) }
```

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

```
.background{ background-color: rgb(107,  
207, 225) }
```

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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