

Converting Colors

$Y_{xy}(47.0257, 0.2179, 0.2509)$

Have a look what the booklet for
Yxy(47.0257, 0.2179, 0.2509)
contains.

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Color

Yxy(47.0153, 0.2178, 0.2504)

Conversions

Conversions Part 1

Format	Color
Hex	5BC0FD
RGB	91, 192, 253
RGB Percent	36%, 75%, 99%
CMY	0.6431, 0.2471, 0.0078
CMYK	0.64, 0.24, 0.00, 0.01
HSL	203°, 98%, 67%
HSV	203°, 64%, 99%
XYZ	40.8943, 47.0153, 99.8512
YIQ	168.7550, -79.7770, -2.4410

Conversions

Conversions Part 2

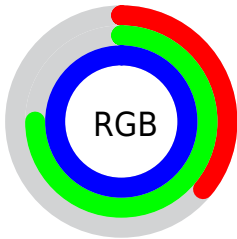
Format	Color
R _Y B	91, 153, 253
Decimal	6013181
CIE Lab	74.20, -11.32, -38.79
CIE LCh	74, 40.412, 253.726
Yxy	47.0153, 0.2178, 0.2504
Android (android.graphics.Color)	4284203261 (0xFF5BC0FD)
YUV	168.7550, 41.5328, -68.1911
Hunter-Lab	68.5677, -13.5347, -38.3432

Details

The Yxy color **47.0153, 0.2178, 0.2504** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **44.1002, 0.4733, 0.3892**, and the grayscale version is **39.3719, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3234, 0.2571, 0.3210**, and **22.4508, 0.1975, 0.2310** is the 20% darker color. If you saturate the color by 10%, you get **41.8909, 0.2069, 0.2357**, and if you desaturate by 10%, it is **52.8471, 0.2305, 0.2648**.

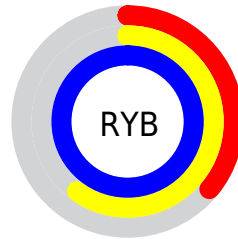
Distribution



Red (36%)

Green (75%)

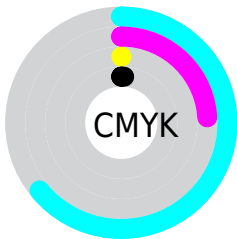
Blue (99%)



Red (36%)

Yellow (60%)

Blue (99%)

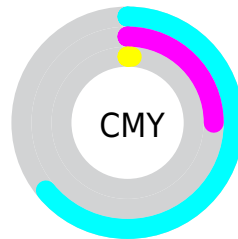


Cyan (64%)

Magenta (24%)

Yellow (0%)

Black (1%)



Cyan (64%)

Magenta (25%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0153, 0.2178, 0.2504 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 47.0153, 0.2178, 0.2504 by changing the saturation by 10% instead.

47.0153, 0.2178,
0.2504

47.0153, 0.2178,
0.2504

374.8756, 0.2629,
0.2891

33.0478, 0.2074,
0.2412

85.7365, 0.2336,
0.2642

22.1630, 0.1947,
0.2296

111.2589, 0.2397,
0.2694

13.9767, 0.1786,
0.2149

141.4017, 0.2449,
0.2739

8.1045, 0.1581,
0.1955

176.5493, 0.2495,
0.2778

4.1619, 0.1314,
0.1693

217.0861, 0.2535,
0.2812

1.7645, 0.0963,
0.1332

263.3965, 0.2570,

0.4649, 0.0273,

0.2841

0.0767

315.8648, 0.2601,
0.2867

0.0000, 0.0000,
0.0000

47.0153, 0.2178,
0.2504

47.0153, 0.2178,
0.2504

41.8909, 0.2069,
0.2357

52.8471, 0.2305,
0.2648

37.4182, 0.1981,
0.2209

59.4256, 0.2445,
0.2787

33.5381, 0.1915,
0.2065

66.7920, 0.2595,
0.2918

31.4536, 0.1884,
0.1981

74.9826, 0.2751,
0.3040

84.0310, 0.2908,
0.3151

■ 93.9687, 0.3065,
0.3252

99.8722, 0.3139,
0.3309

Harmonies

Analogous

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



47.0153, 0.2125, 0.2825



47.0153, 0.2178, 0.2504



47.0153, 0.2457, 0.2403

Triad

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



47.0153, 0.2178, 0.2504



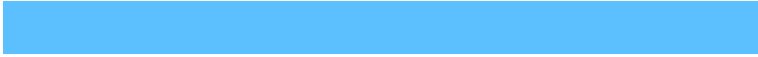
47.0153, 0.4004, 0.3157



47.0153, 0.3243, 0.4267

Complementary

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



47.0153, 0.2178, 0.2504



44.1002, 0.4733, 0.3892

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.



47.0153, 0.3774, 0.4279



47.0153, 0.2178, 0.2504



47.0153, 0.4245, 0.3594

Square

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



47.0153, 0.2178, 0.2504



47.0153, 0.3503, 0.2771



47.0153, 0.4150, 0.4006



47.0153, 0.2707, 0.3904

Rectangle

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



47.0153, 0.2178, 0.2504



47.0153, 0.2755, 0.2449



47.0153, 0.4150, 0.4006



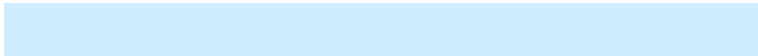
47.0153, 0.3428, 0.4311

Sweetspot

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



47.0170, 0.2178, 0.2504



80.8472, 0.2830, 0.3097



74.6936, 0.2798, 0.4647



16.7482, 0.2785, 0.3065



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.



47.0170, 0.2178, 0.2504



41.2109, 0.2041, 0.2312



21.0404, 0.1932, 0.1456



19.2645, 0.2979, 0.3198



17.0210, 0.1890, 0.2004



1.8677, 0.1935, 0.2166

Inverse Universe

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



32.1735, 0.3863, 0.2312



27.6907, 0.4083, 0.2211



79.0183, 0.4145, 0.4607



18.1776, 0.3196, 0.3143



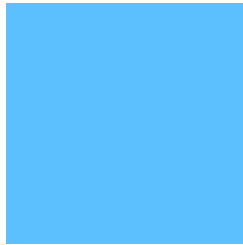
12.4462, 0.4449, 0.2224



1.2331, 0.4269, 0.2125

Previews

White Background



This preview shows how the Yxy color 47.0153, 0.2178, 0.2504 looks on a white background.

Color Contrast Check

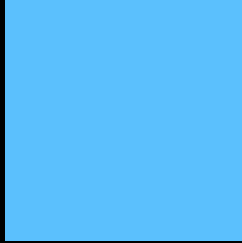
Large Text (above 18pt) WCAG AA × Fail

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 47.0153, 0.2178, 0.2504 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

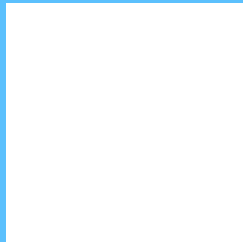
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.0153, 0.2178, 0.2504

Background



This preview shows how black text looks on a background with the Yxy color 47.0153, 0.2178, 0.2504.



This preview shows how white text looks on a background with the Yxy color 47.0153, 0.2178, 0.2504.

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

47.0153, 0.2178, 0.2504

Protanopia

46.4978, 0.2560, 0.2511

Deuteranopia

46.4288, 0.2443, 0.2379



Tritanopia

47.0927, 0.2293, 0.3060

Trichromacy



Original Color

47.0153, 0.2178, 0.2504

Protanomaly

46.3147, 0.2390, 0.2501

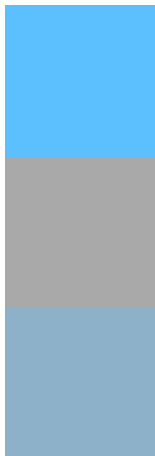
Deuteranomaly

46.3423, 0.2329, 0.2423

Tritanomaly

46.7567, 0.2244, 0.2834

Monochromacy



Original Color

47.0153, 0.2178, 0.2504

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.2771, 0.2670, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0153, 0.2178, 0.2504 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(91, 192, 253)` looks like.

```
.text, #text, p{  
    color:rgb(91, 192, 253)  
}
```

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(91, 192, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 192, 253) }
```

Border

The CSS property to change the border of an element to Yxy 47.0153, 0.2178, 0.2504 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(91, 192, 253) }
```

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

```
.border{ border-color:rgb(91, 192, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 192, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 192, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 192, 253);  
box-shadow:4px 4px 4px 4px rgb(91, 192,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0153, 0.2178, 0.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 192, 253) }
```

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

```
.background{ background-color: rgb(91, 192,  
253) }
```

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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