

Converting Colors

$Y_{xy}(41.3254, 0.2200, 0.2327)$

Have a look what the booklet for
Yxy(41.3254, 0.2200, 0.2327)
contains.

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Color

Yxy(41.5351, 0.2203, 0.2334)

Conversions

Conversions Part 1

Format	Color
Hex	6BB1FB
RGB	107, 177, 251
RGB Percent	42%, 69%, 98%
CMY	0.5801, 0.3059, 0.0157
CMYK	0.57, 0.29, 0.00, 0.02
HSL	211°, 95%, 70%
HSV	211°, 57%, 98%
XYZ	39.2039, 41.5351, 97.2178
YIQ	164.5060, -65.4740, 8.1740

Conversions

Conversions Part 2

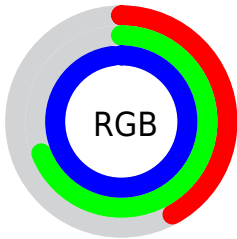
Format	Color
R _Y B	107, 154, 251
Decimal	7057915
CIE Lab	70.55, -0.87, -43.36
CIE LCh	71, 43.372, 268.857
Yxy	41.5351, 0.2203, 0.2334
Android (android.graphics.Color)	4285247995 (0xFF6BB1FB)
YUV	164.5060, 42.6415, -50.4328
Hunter-Lab	64.4477, -4.2011, -44.3240

Details

The Yxy color **41.5351, 0.2203, 0.2334** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.6529, 0.4369, 0.4048**, and the grayscale version is **37.2024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1487, 0.2603, 0.3030**, and **18.9373, 0.1967, 0.2093** is the 20% darker color. If you saturate the color by 10%, you get **35.3393, 0.2061, 0.2131**, and if you desaturate by 10%, it is **48.6676, 0.2358, 0.2531**.

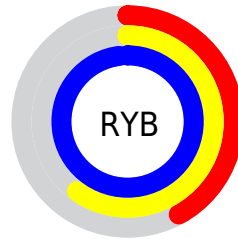
Distribution



Red (42%)

Green (69%)

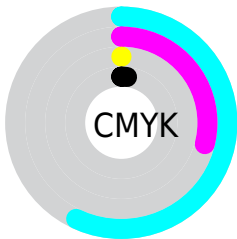
Blue (98%)



Red (42%)

Yellow (60%)

Blue (98%)

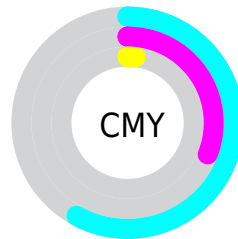


Cyan (57%)

Magenta (29%)

Yellow (0%)

Black (2%)



Cyan (58%)

Magenta (31%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.5351, 0.2203, 0.2334 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 41.5351, 0.2203, 0.2334 by changing the saturation by 10% instead.

■ 41.5351, 0.2203,
0.2334

■ 41.5351, 0.2203,
0.2334

352.5521, 0.2653,
0.2800

■ 28.7374, 0.2097,
0.2224

■ 77.4955, 0.2362,
0.2499

■ 18.8823, 0.1966,
0.2087

■ 101.4271, 0.2423,
0.2563

■ 11.5853, 0.1800,
0.1914

■ 129.8387, 0.2475,
0.2617

■ 6.4619, 0.1586,
0.1690

163.1149, 0.2520,
0.2664

■ 3.1279, 0.1303,
0.1394

201.6399, 0.2560,
0.2704

■ 1.1989, 0.0932,
0.1003


245.7982, 0.2595,


■ 0.0608, 0.0071,


0.2740


0.0118

295.9741, 0.2625,
0.2772


 0.0000, 0.0000,
0.0000

 41.5351, 0.2203,
0.2334


 41.5351, 0.2203,
0.2334


 35.3393, 0.2061,
0.2131

 48.6676, 0.2358,
0.2531

 30.0221, 0.1939,
0.1928


 56.7805, 0.2522,
0.2718


 25.5239, 0.1840,
0.1731

 65.9197, 0.2688,
0.2892

 21.7683, 0.1767,
0.1546

 76.1262, 0.2853,
0.3051

 20.8685, 0.1750,
0.1499

 87.4385, 0.3014,
0.3194

99.3828, 0.3151,
0.3323

99.7451, 0.3150,
0.3328

Harmonies

Analogous

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



41.5351, 0.2019, 0.2558



41.5351, 0.2203, 0.2334



41.5351, 0.2622, 0.2342

Triad

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



41.5351, 0.2203, 0.2334



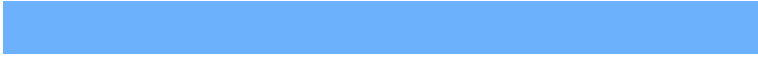
41.5351, 0.4290, 0.3375



41.5351, 0.2938, 0.4234

Complementary

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



41.5351, 0.2203, 0.2334



54.6529, 0.4369, 0.4048

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.



41.5351, 0.3552, 0.4444



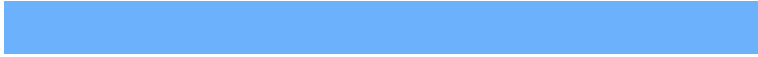
41.5351, 0.2203, 0.2334



41.5351, 0.4365, 0.3855

Square

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



41.5351, 0.2203, 0.2334



41.5351, 0.3854, 0.2916



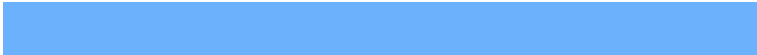
41.5351, 0.4080, 0.4263



41.5351, 0.2407, 0.3668

Rectangle

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



41.5351, 0.2203, 0.2334



41.5351, 0.3009, 0.2461



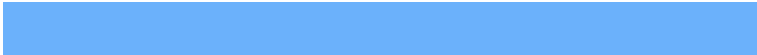
41.5351, 0.4080, 0.4263



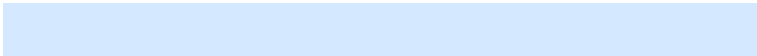
41.5351, 0.3142, 0.4352

Sweetspot

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



41.5366, 0.2203, 0.2334



79.2785, 0.2858, 0.3056



75.3815, 0.2725, 0.4217



16.4925, 0.2826, 0.3025



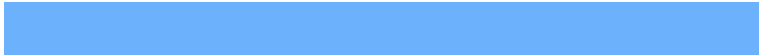
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.5366, 0.2203, 0.2334



35.6241, 0.2039, 0.2096



20.6256, 0.2009, 0.1441



18.0349, 0.2980, 0.3165



11.2584, 0.1758, 0.1528



1.2541, 0.1819, 0.1748

Inverse Universe

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



34.2137, 0.3996, 0.2580



29.5586, 0.4277, 0.2489



90.5676, 0.3948, 0.4648



17.3657, 0.3217, 0.3175



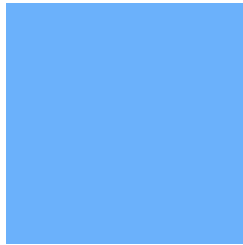
11.5474, 0.5023, 0.2541



1.0908, 0.4748, 0.2389

Previews

White Background



This preview shows how the Yxy color 41.5351, 0.2203, 0.2334 looks on a white background.

Color Contrast Check

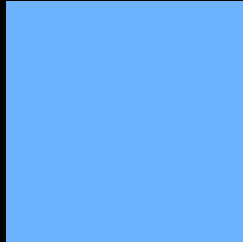
Large Text (above 18pt) WCAG AA × Fail

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 41.5351, 0.2203, 0.2334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

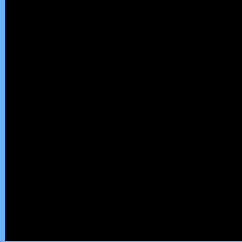
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

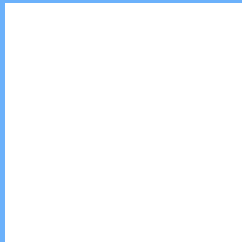
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5351, 0.2203, 0.2334

Background



This preview shows how black text looks on a background with the Yxy color 41.5351, 0.2203, 0.2334.



This preview shows how white text looks on a background with the Yxy color 41.5351, 0.2203, 0.2334.

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

41.5351, 0.2203, 0.2334

Protanopia

41.2644, 0.2433, 0.2341

Deuteranopia

41.4725, 0.2335, 0.2281



Tritanopia

41.4083, 0.2369, 0.3051

Trichromacy



Original Color

41.5351, 0.2203, 0.2334

Protanomaly

41.2070, 0.2339, 0.2339

Deuteranomaly

41.3510, 0.2280, 0.2292

Tritanomaly

41.4140, 0.2301, 0.2765

Monochromacy



Original Color

41.5351, 0.2203, 0.2334

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.2907, 0.2708, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5351, 0.2203, 0.2334 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, 177, 251)` looks like.

```
.text, #text, p{  
    color:rgb(107, 177, 251)  
}
```

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, 177, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 177, 251) }
```

Border

The CSS property to change the border of an element to Yxy 41.5351, 0.2203, 0.2334 is called "border". The border property can be set on classes, ids or directly on the HTML element.

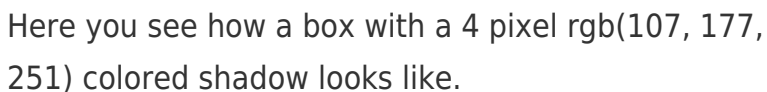
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 177, 251) }
```

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

```
.border{ border-color:rgb(107, 177, 251) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 177, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 177, 251); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 177, 251); box-shadow:4px 4px 4px 4px rgb(107, 177, 251) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5351, 0.2203, 0.2334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 177, 251) }
```

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

```
.background{ background-color: rgb(107,  
177, 251) }
```

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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