

Converting Colors

$Y_{xy}(35.6220, 0.2118, 0.2077)$

Have a look what the booklet for
Yxy(35.6220, 0.2118, 0.2077)
contains.

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Color

Yxy(35.5345, 0.2117, 0.2074)

Conversions

Conversions Part 1

Format	Color
Hex	66A1FF
RGB	102, 161, 255
RGB Percent	40%, 63%, 100%
CMY	0.5999, 0.3686, 0.0001
CMYK	0.60, 0.37, 0.00, 0.00
HSL	217°, 100%, 70%
HSV	217°, 60%, 100%
XYZ	36.2712, 35.5345, 99.5274
YIQ	154.0750, -65.3380, 16.7260

Conversions

Conversions Part 2

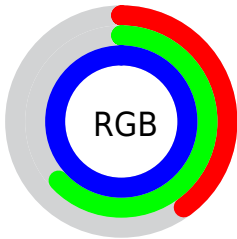
Format	Color
RYB	102, 145, 255
Decimal	6726143
CIELab	66.16, 8.52, -52.44
CIELCh	66, 53.127, 279.229
Yxy	35.5345, 0.2117, 0.2074
Android (android.graphics.Color)	4284916223 (0xFF66A1FF)
YUV	154.0750, 49.7560, -45.6698
Hunter-Lab	59.6108, 4.2925, -57.2642

Details

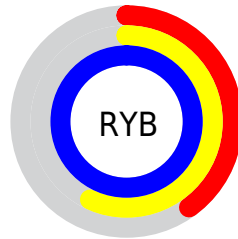
The Yxy color **35.5345, 0.2117, 0.2074** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.6861, 0.4334, 0.4220**, and the grayscale version is **32.1512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6074, 0.2554, 0.2828**, and **15.3997, 0.1850, 0.1769** is the 20% darker color. If you saturate the color by 10%, you get **29.1314, 0.1966, 0.1833**, and if you desaturate by 10%, it is **43.0837, 0.2283, 0.2313**.

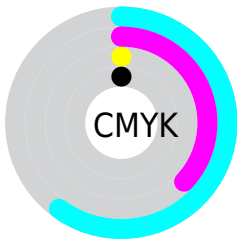
Distribution



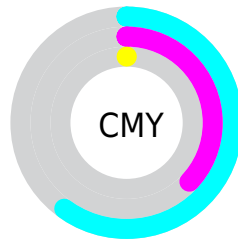
- Red (40%)
- Green (63%)
- Blue (100%)



- Red (40%)
- Yellow (57%)
- Blue (100%)



- Cyan (60%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5345, 0.2117, 0.2074 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 35.5345, 0.2117, 0.2074 by changing the saturation by 10% instead.


 35.5345, 0.2117,
0.2074


 35.5345, 0.2117,
0.2074


326.9213, 0.2618,
0.2661


 24.0749, 0.1998,
0.1939


 68.3130, 0.2295,
0.2280

 15.3892, 0.1851,
0.1773


 90.4006, 0.2363,
0.2360

 9.0930, 0.1665,
0.1567


 116.7998, 0.2422,
0.2428

 4.8019, 0.1427,
0.1308

147.8948, 0.2472,
0.2487

 2.1315, 0.1119,
0.0985

184.0700, 0.2515,
0.2539

 0.6822, 0.0733,
0.0584

225.7099, 0.2554,

 0.0000, 0.0000,

0.2585

0.0000

273.1989, 0.2588,
0.2625

■ 35.5345, 0.2117,
0.2074

■ 35.5345, 0.2117,
0.2074

■ 29.1314, 0.1966,
0.1833

■ 43.0837, 0.2283,
0.2313

■ 23.8022, 0.1837,
0.1599

■ 51.8375, 0.2458,
0.2542

■ 19.4693, 0.1736,
0.1381

■ 61.8540, 0.2633,
0.2757

■ 16.0192, 0.1663,
0.1187

■ 73.1858, 0.2806,
0.2954

■ 16.0152, 0.1663,
0.1187

■ 85.8827, 0.2971,
0.3132

99.9909, 0.3127,
0.3290

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



35.5345, 0.1797, 0.2227



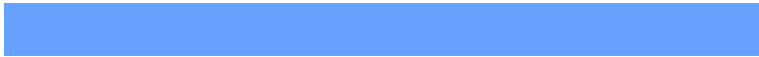
35.5345, 0.2117, 0.2074



35.5345, 0.2719, 0.2180

Triad

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



35.5345, 0.2117, 0.2074



35.5345, 0.4712, 0.3565



35.5345, 0.2611, 0.4322

Complementary

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



35.5345, 0.2117, 0.2074



61.6861, 0.4334, 0.4220

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.



35.5345, 0.3366, 0.4776



35.5345, 0.2117, 0.2074



35.5345, 0.4610, 0.4152

Square

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



35.5345, 0.2117, 0.2074



35.5345, 0.4303, 0.2992



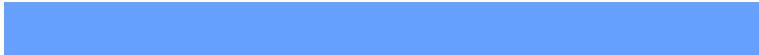
35.5345, 0.4099, 0.4639



35.5345, 0.2037, 0.3466

Rectangle

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



35.5345, 0.2117, 0.2074



35.5345, 0.3247, 0.2375



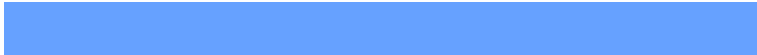
35.5345, 0.4099, 0.4639



35.5345, 0.2852, 0.4539

Sweetspot

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



35.5357, 0.2117, 0.2074



75.6196, 0.2839, 0.2991



78.2114, 0.2647, 0.4063



15.4331, 0.2790, 0.2937



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.



35.5357, 0.2117, 0.2074



27.9822, 0.1938, 0.1785



20.5286, 0.2044, 0.1390



18.5263, 0.2979, 0.3140



8.6377, 0.1672, 0.1217



1.0450, 0.1734, 0.1441

Inverse Universe

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



33.3342, 0.4256, 0.2707



27.7767, 0.4625, 0.2654



90.9277, 0.3870, 0.4757



18.1030, 0.3233, 0.3199



11.5999, 0.5442, 0.2772



1.1500, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 35.5345, 0.2117, 0.2074 looks on a white background.

Color Contrast Check

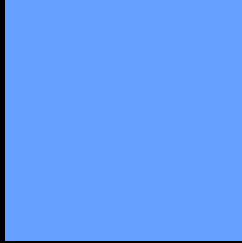
Large Text (above 18pt) WCAG AA × Fail

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 35.5345, 0.2117, 0.2074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

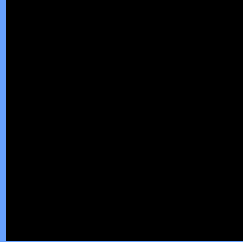
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

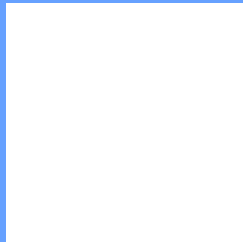
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.5345, 0.2117, 0.2074

Background



This preview shows how black text looks on a background with the Yxy color 35.5345, 0.2117, 0.2074.



This preview shows how white text looks on a background with the Yxy color 35.5345, 0.2117, 0.2074.

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

35.5345, 0.2117, 0.2074

Protanopia

35.4390, 0.2238, 0.2091

Deuteranopia

35.4258, 0.2132, 0.2066



Tritanopia

35.7118, 0.2334, 0.3065

Trichromacy



Original Color

35.5345, 0.2117, 0.2074

Protanomaly

35.2639, 0.2193, 0.2082

Deuteranomaly

35.3649, 0.2127, 0.2064

Tritanomaly

35.3925, 0.2243, 0.2650

Monochromacy



Original Color

35.5345, 0.2117, 0.2074

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

33.0264, 0.2655, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5345, 0.2117, 0.2074 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(102, 161, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 161, 255)  
}
```

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(102, 161, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 161, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.5345, 0.2117, 0.2074 is called "border". The border property can be set on classes, ids or directly on the HTML element.

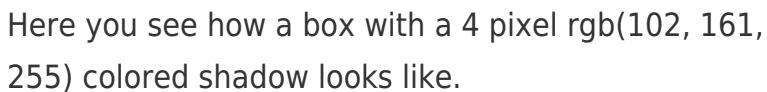
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 161, 255) }
```

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

```
.border{ border-color:rgb(102, 161, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 161, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 161, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 161, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 161,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5345, 0.2117, 0.2074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 161, 255) }
```

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

```
.background{ background-color: rgb(102,  
161, 255) }
```

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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