

Converting Colors

$Y_{xy}(35.9085, 0.2209, 0.2066)$

Have a look what the booklet for
Yxy(35.9085, 0.2209, 0.2066)
contains.

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Color

Yxy(35.8113, 0.2206, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	7A9EFF
RGB	122, 158, 255
RGB Percent	48%, 62%, 100%
CMY	0.5218, 0.3803, 0.0001
CMYK	0.52, 0.38, 0.00, 0.00
HSL	224°, 100%, 74%
HSV	224°, 52%, 100%
XYZ	38.2936, 35.8113, 99.4835
YIQ	158.2940, -52.5930, 22.5350

Conversions

Conversions Part 2

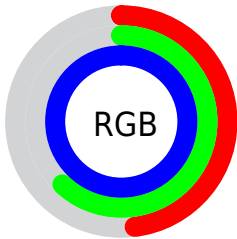
Format	Color
RYB	122, 150, 255
Decimal	8036095
CIELab	66.38, 14.22, -52.04
CIElCh	66, 53.952, 285.284
Yxy	35.8113, 0.2206, 0.2063
Android (android.graphics.Color)	4286226175 (0xFF7A9EFF)
YUV	158.2940, 47.6761, -31.8298
Hunter-Lab	59.8425, 9.4988, -56.6752

Details

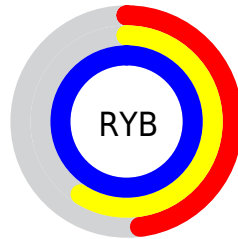
The Yxy color **35.8113, 0.2206, 0.2063** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **73.2729, 0.4069, 0.4256**, and the grayscale version is **34.1259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1307, 0.2653, 0.2806**, and **15.5224, 0.1954, 0.1758** is the 20% darker color. If you saturate the color by 10%, you get **28.3214, 0.2027, 0.1782**, and if you desaturate by 10%, it is **44.7504, 0.2393, 0.2338**.

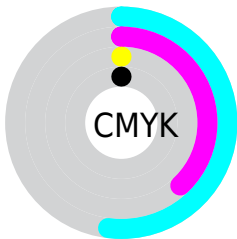
Distribution



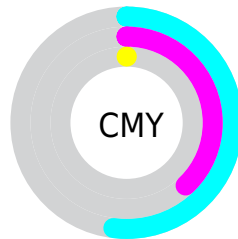
- Red (48%)
- Green (62%)
- Blue (100%)



- Red (48%)
- Yellow (59%)
- Blue (100%)



- Cyan (52%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8113, 0.2206, 0.2063 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 35.8113, 0.2206, 0.2063 by changing the saturation by 10% instead.


 35.8113, 0.2206,
0.2063


 35.8113, 0.2206,
0.2063


328.1350, 0.2667,
0.2650


 24.2885, 0.2095,
0.1929


 68.7407, 0.2371,
0.2268

 15.5478, 0.1958,
0.1764


 90.9161, 0.2434,
0.2348

 9.2047, 0.1782,
0.1561


 117.4112, 0.2487,
0.2416

 4.8750, 0.1554,
0.1306

148.6103, 0.2533,
0.2475

 2.1741, 0.1256,
0.0987

184.8978, 0.2573,
0.2527

 0.7058, 0.0869,
0.0595

226.6582, 0.2608,

 0.0000, 0.0000,

0.2573

0.0000

274.2758, 0.2639,
0.2614

■ 35.8113, 0.2206,
0.2063

■ 35.8113, 0.2206,
0.2063

■ 28.3214, 0.2027,
0.1782

■ 44.7504, 0.2393,
0.2338

■ 22.1951, 0.1867,
0.1509

■ 55.2100, 0.2581,
0.2599

■ 17.3424, 0.1734,
0.1257

■ 67.2611, 0.2763,
0.2840

■ 13.6587, 0.1637,
0.1041

■ 80.9685, 0.2935,
0.3058

■ 11.4925, 0.1584,
0.0902

■ 96.3937, 0.3094,
0.3251

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



35.8113, 0.1825, 0.2161



35.8113, 0.2206, 0.2063



35.8113, 0.2867, 0.2218

Triad

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



35.8113, 0.2206, 0.2063



35.8113, 0.4752, 0.3686



35.8113, 0.2465, 0.4179

Complementary

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



35.8113, 0.2206, 0.2063



73.2729, 0.4069, 0.4256

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.



35.8113, 0.3208, 0.4755



35.8113, 0.2206, 0.2063



35.8113, 0.4550, 0.4273

Square

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



35.8113, 0.2206, 0.2063



35.8113, 0.4441, 0.3100



35.8113, 0.3970, 0.4722



35.8113, 0.1943, 0.3289

Rectangle

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



35.8113, 0.2206, 0.2063



35.8113, 0.3421, 0.2442



35.8113, 0.3970, 0.4722



35.8113, 0.2697, 0.4431

Sweetspot

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



35.8125, 0.2206, 0.2063



75.5394, 0.2871, 0.2977



80.6650, 0.2615, 0.3744



15.5635, 0.2835, 0.2933



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.



35.8125, 0.2206, 0.2063



27.7704, 0.2013, 0.1759



27.6812, 0.2309, 0.1695



18.1791, 0.2979, 0.3112



6.2162, 0.1591, 0.0929



0.7772, 0.1651, 0.1142

Inverse Universe

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



37.6308, 0.4222, 0.2923



31.1603, 0.4599, 0.2874



89.1044, 0.3688, 0.4649



18.0680, 0.3251, 0.3226



11.3555, 0.5867, 0.3006



1.1230, 0.5549, 0.2831

Previews

White Background



This preview shows how the Yxy color 35.8113, 0.2206, 0.2063 looks on a white background.

Color Contrast Check

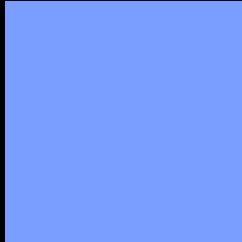
Large Text (above 18pt) WCAG AA × Fail

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 35.8113, 0.2206, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

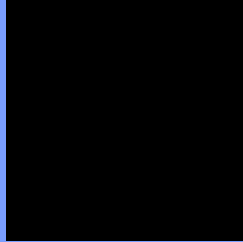
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8113, 0.2206, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 35.8113, 0.2206, 0.2063.



This preview shows how white text looks on a background with the Yxy color 35.8113, 0.2206, 0.2063.

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

35.8113, 0.2206, 0.2063

Protanopia

35.9588, 0.2217, 0.2066

Deuteranopia

35.8967, 0.2153, 0.2092



Tritanopia

35.7029, 0.2473, 0.3070

Trichromacy



Original Color

35.8113, 0.2206, 0.2063

Protanomaly

35.8847, 0.2212, 0.2064

Deuteranomaly

35.8748, 0.2174, 0.2086

Tritanomaly

35.4664, 0.2363, 0.2648

Monochromacy



Original Color

35.8113, 0.2206, 0.2063

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.3237, 0.2722, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8113, 0.2206, 0.2063 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(122, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 158, 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(122, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 158, 255) }
```

Border

The CSS property to change the border of an element to Yxy 35.8113, 0.2206, 0.2063 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(122, 158, 255) }
```

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

```
.border{ border-color:rgb(122, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 158, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 158, 255); box-shadow:4px 4px 4px 4px rgb(122, 158, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8113, 0.2206, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 158, 255) }
```

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

```
.background{ background-color: rgb(122,  
158, 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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