

Converting Colors

$Y_{xy}(36.8756, 0.2176, 0.2191)$

Have a look what the booklet for
Yxy(36.8756, 0.2176, 0.2191)
contains.

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Color

Yxy(36.8756, 0.2176, 0.2191)

Conversions

Conversions Part 1

Format	Color
Hex	6BA5F9
RGB	107, 165, 249
RGB Percent	42%, 65%, 98%
CMY	0.5801, 0.3530, 0.0235
CMYK	0.57, 0.34, 0.00, 0.02
HSL	216°, 92%, 70%
HSV	216°, 57%, 98%
XYZ	36.6231, 36.8756, 94.8061
YIQ	157.2340, -61.5320, 13.8280

Conversions

Conversions Part 2

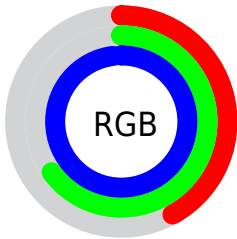
Format	Color
R _Y B	107, 148, 249
Decimal	7054841
CIE Lab	67.18, 5.29, -47.56
CIE LCh	67, 47.854, 276.345
Yxy	36.8756, 0.2176, 0.2191
Android (android.graphics.Color)	4285244921 (0xFF6BA5F9)
YUV	157.2340, 45.2406, -44.0552
Hunter-Lab	60.7253, 1.3833, -50.0576

Details

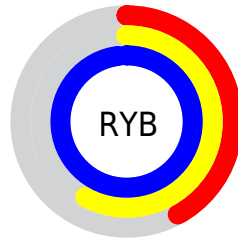
The Yxy color **36.8756, 0.2176, 0.2191** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.5002, 0.4284, 0.4151**, and the grayscale version is **33.6490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6219, 0.2584, 0.2890**, and **16.2337, 0.1924, 0.1917** is the 20% darker color. If you saturate the color by 10%, you get **30.5344, 0.2023, 0.1958**, and if you desaturate by 10%, it is **44.2765, 0.2342, 0.2419**.

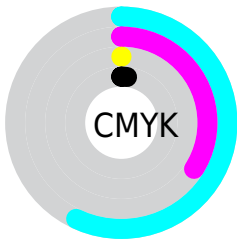
Distribution



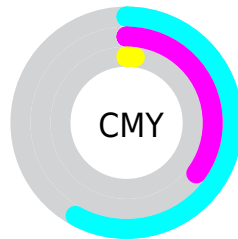
- Red (42%)
- Green (65%)
- Blue (98%)



- Red (42%)
- Yellow (58%)
- Blue (98%)



- Cyan (57%)
- Magenta (34%)
- Yellow (0%)
- Black (2%)




- Cyan (58%)
- Magenta (35%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8756, 0.2176, 0.2191 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 36.8756, 0.2176, 0.2191 by changing the saturation by 10% instead.


 36.8756, 0.2176,
0.2191


 36.8756, 0.2176,
0.2191


332.7716, 0.2647,
0.2727


 25.1112, 0.2064,
0.2065


 70.3814, 0.2344,
0.2380

 16.1599, 0.1923,
0.1910


 92.8916, 0.2408,
0.2453

 9.6374, 0.1745,
0.1715


 119.7525, 0.2463,
0.2515

 5.1592, 0.1515,
0.1465

151.3485, 0.2510,
0.2569

 2.3410, 0.1212,
0.1143

188.0641, 0.2551,
0.2616

 0.7953, 0.0819,
0.0736

230.2835, 0.2587,

 0.0000, 0.0000,

0.2658

0.0000

278.3912, 0.2619,
0.2694

■ 36.8756, 0.2176,
0.2191

■ 36.8756, 0.2176,
0.2191

■ 30.5344, 0.2023,
0.1958

■ 44.2765, 0.2342,
0.2419

■ 25.1889, 0.1889,
0.1728

■ 52.7874, 0.2515,
0.2635

■ 20.7725, 0.1781,
0.1509

■ 62.4599, 0.2688,
0.2836

■ 17.2030, 0.1702,
0.1310

■ 73.3404, 0.2857,
0.3020

■ 16.2653, 0.1682,
0.1254

■ 85.4728, 0.3019,
0.3185

98.6176, 0.3163,
0.3332

99.6193, 0.3162,
0.3347

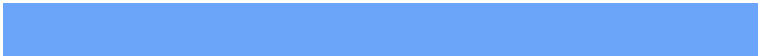
Harmonies

Analogous

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



36.8756, 0.1905, 0.2365



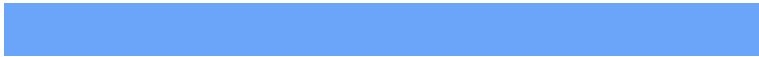
36.8756, 0.2176, 0.2191



36.8756, 0.2703, 0.2263

Triad

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



36.8756, 0.2176, 0.2191



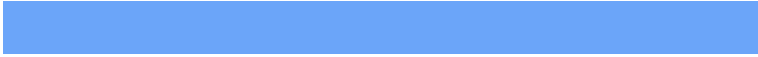
36.8756, 0.4525, 0.3505



36.8756, 0.2735, 0.4255

Complementary

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



36.8756, 0.2176, 0.2191



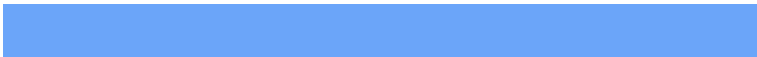
58.5002, 0.4284, 0.4151

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.



36.8756, 0.3424, 0.4612



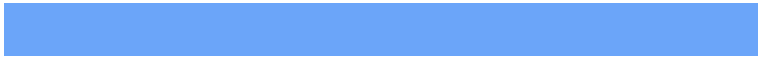
36.8756, 0.2176, 0.2191



36.8756, 0.4489, 0.4039

Square

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



36.8756, 0.2176, 0.2191



36.8756, 0.4118, 0.2982



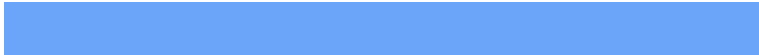
36.8756, 0.4069, 0.4476



36.8756, 0.2188, 0.3529

Rectangle

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



36.8756, 0.2176, 0.2191



36.8756, 0.3168, 0.2430



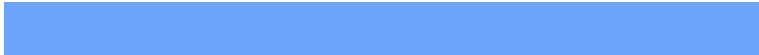
36.8756, 0.4069, 0.4476



36.8756, 0.2958, 0.4430

Sweetspot

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



36.8769, 0.2176, 0.2191



77.3920, 0.2857, 0.3020



74.5914, 0.2672, 0.4048



16.0483, 0.2823, 0.2984



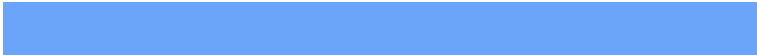
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



36.8769, 0.2176, 0.2191



31.5694, 0.2007, 0.1933



21.2861, 0.2089, 0.1484



17.8061, 0.2979, 0.3146



8.9693, 0.1690, 0.1284



1.0332, 0.1755, 0.1518

Inverse Universe

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



33.3870, 0.4128, 0.2696



29.5132, 0.4443, 0.2627



86.8459, 0.3860, 0.4687



17.3426, 0.3230, 0.3194



11.3164, 0.5349, 0.2720



1.0685, 0.5036, 0.2548

Previews

White Background



This preview shows how the Yxy color 36.8756, 0.2176, 0.2191 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 36.8756, 0.2176, 0.2191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

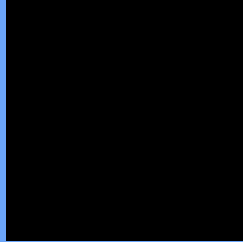
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

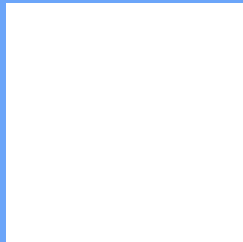
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8756, 0.2176, 0.2191

Background



This preview shows how black text looks on a background with the Yxy color 36.8756, 0.2176, 0.2191.



This preview shows how white text looks on a background with the Yxy color 36.8756, 0.2176, 0.2191.

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

36.8756, 0.2176, 0.2191

Protanopia

36.7207, 0.2321, 0.2200

Deuteranopia

36.7359, 0.2228, 0.2158



Tritanopia

37.0907, 0.2383, 0.3070

Trichromacy



Original Color

36.8756, 0.2176, 0.2191

Protanomaly

36.7796, 0.2268, 0.2203

Deuteranomaly

36.7414, 0.2205, 0.2165

Tritanomaly

36.9159, 0.2298, 0.2716

Monochromacy



Original Color

36.8756, 0.2176, 0.2191

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.3483, 0.2698, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8756, 0.2176, 0.2191 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, 165, 249)` looks like.

```
.text, #text, p{  
    color:rgb(107, 165, 249)  
}
```

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, 165, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 165, 249) }
```

Border

The CSS property to change the border of an element to Yxy 36.8756, 0.2176, 0.2191 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, 165, 249) }
```

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

```
.border{ border-color:rgb(107, 165, 249) }
```

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

Here you see how a box with a 4 pixel rgb(107, 165, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 165, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 165, 249);  
box-shadow:4px 4px 4px 4px rgb(107, 165,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8756, 0.2176, 0.2191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 165, 249) }
```

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

```
.background{ background-color: rgb(107,  
165, 249) }
```

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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