

Converting Colors

$Y_{xy}(38.4708, 0.2215, 0.2270)$

Have a look what the booklet for
Yxy(38.4708, 0.2215, 0.2270)
contains.

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Color

Yxy(38.4708, 0.2215, 0.2270)

Conversions

Conversions Part 1

Format	Color
Hex	6FA9F7
RGB	111, 169, 247
RGB Percent	44%, 66%, 97%
CMY	0.5645, 0.3373, 0.0313
CMYK	0.55, 0.32, 0.00, 0.03
HSL	214°, 90%, 70%
HSV	214°, 55%, 97%
XYZ	37.5387, 38.4708, 93.4654
YIQ	160.5500, -59.6060, 11.9620

Conversions

Conversions Part 2

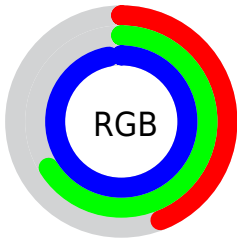
Format	Color
R _Y B	111, 152, 247
Decimal	7318007
CIE Lab	68.37, 3.20, -44.62
CIE LCh	68, 44.731, 274.100
Yxy	38.4708, 0.2215, 0.2270
Android (android.graphics.Color)	4285508087 (0xFF6FA9F7)
YUV	160.5500, 42.6198, -43.4554
Hunter-Lab	62.0248, -0.5116, -45.9269

Details

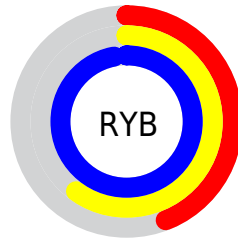
The Yxy color **38.4708, 0.2215, 0.2270** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **57.3571, 0.4253, 0.4103**, and the grayscale version is **35.2457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0774, 0.2607, 0.2939**, and **16.9982, 0.1973, 0.2003** is the 20% darker color. If you saturate the color by 10%, you get **32.0931, 0.2061, 0.2045**, and if you desaturate by 10%, it is **45.8661, 0.2381, 0.2489**.

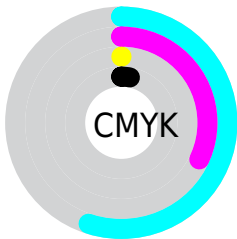
Distribution



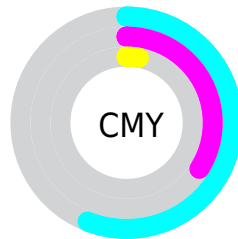
- Red (44%)
- Green (66%)
- Blue (97%)



- Red (44%)
- Yellow (60%)
- Blue (97%)



- Cyan (55%)
- Magenta (32%)
- Yellow (0%)
- Black (3%)





- Cyan (56%)
- Magenta (34%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4708, 0.2215, 0.2270 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 38.4708, 0.2215, 0.2270 by changing the saturation by 10% instead.


 38.4708, 0.2215,
0.2270


 38.4708, 0.2215,
0.2270


339.6353, 0.2665,
0.2769

 26.3483, 0.2108,
0.2152


 72.8292, 0.2376,
0.2447

 17.0844, 0.1974,
0.2006


 95.8338, 0.2437,
0.2515

 10.2947, 0.1803,
0.1821


 123.2347, 0.2489,
0.2572

 5.5948, 0.1581,
0.1582

155.4161, 0.2534,
0.2622

 2.6003, 0.1286,
0.1269

192.7625, 0.2573,
0.2666

 0.9268, 0.0898,
0.0863

235.6582, 0.2608,

 0.0000, 0.0000,

0.2704

0.0000

284.4877, 0.2638,
0.2738

■ 38.4708, 0.2215,
0.2270

■ 38.4708, 0.2215,
0.2270

■ 32.0931, 0.2061,
0.2045

■ 45.8661, 0.2381,
0.2489

■ 26.6732, 0.1926,
0.1820

■ 54.3256, 0.2552,
0.2695

■ 22.1498, 0.1814,
0.1603

■ 63.8971, 0.2723,
0.2887

■ 18.4490, 0.1730,
0.1402

■ 74.6243, 0.2890,
0.3061

■ 16.8754, 0.1697,
0.1309

■ 86.5482, 0.3050,
0.3218

98.8907, 0.3174,
0.3357

99.4972, 0.3173,
0.3366

Harmonies

Analogous

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



38.4708, 0.1978, 0.2457



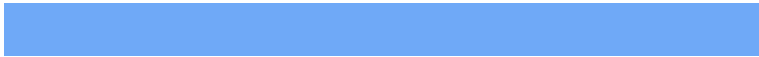
38.4708, 0.2215, 0.2270



38.4708, 0.2693, 0.2319

Triad

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



38.4708, 0.2215, 0.2270



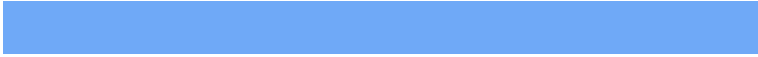
38.4708, 0.4402, 0.3462



38.4708, 0.2815, 0.4211

Complementary

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



38.4708, 0.2215, 0.2270



57.3571, 0.4253, 0.4103

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.



38.4708, 0.3458, 0.4509



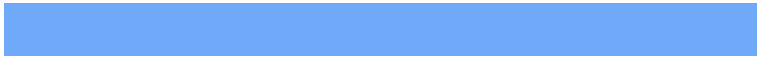
38.4708, 0.2215, 0.2270



38.4708, 0.4406, 0.3962

Square

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



38.4708, 0.2215, 0.2270



38.4708, 0.3999, 0.2973



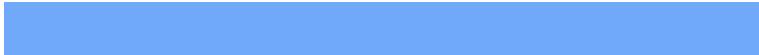
38.4708, 0.4045, 0.4370



38.4708, 0.2289, 0.3566

Rectangle

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



38.4708, 0.2215, 0.2270



38.4708, 0.3117, 0.2467



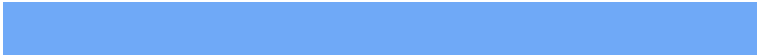
38.4708, 0.4045, 0.4370



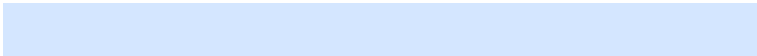
38.4708, 0.3025, 0.4360

Sweetspot

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



38.4722, 0.2215, 0.2270



77.8274, 0.2857, 0.3028



73.5566, 0.2692, 0.4048



16.1507, 0.2824, 0.2994



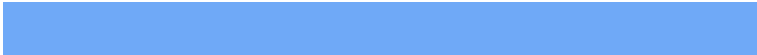
0.0000, 0.0000, 0.0000



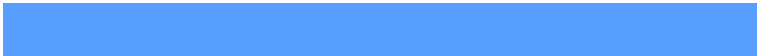
21.4041, 0.3127, 0.3290

Same Dimension

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



38.4722, 0.2215, 0.2270



33.8290, 0.2046, 0.2021



22.0958, 0.2114, 0.1545



17.0877, 0.2980, 0.3150



9.1907, 0.1706, 0.1340



1.0071, 0.1773, 0.1583

Inverse Universe

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



34.0216, 0.4044, 0.2687



30.5110, 0.4341, 0.2606



85.8586, 0.3857, 0.4638



16.5997, 0.3227, 0.3190



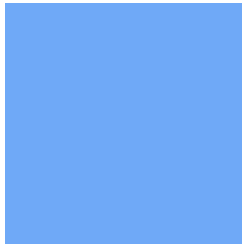
11.0272, 0.5272, 0.2678



0.9893, 0.4952, 0.2502

Previews

White Background



This preview shows how the Yxy color 38.4708, 0.2215, 0.2270 looks on a white background.

Color Contrast Check

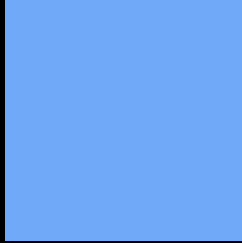
Large Text (above 18pt) WCAG AA × Fail

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 38.4708, 0.2215, 0.2270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

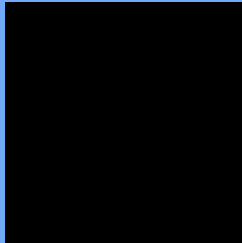
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

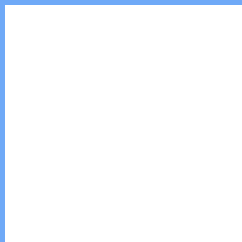
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.4708, 0.2215, 0.2270

Background



This preview shows how black text looks on a background with the Yxy color 38.4708, 0.2215, 0.2270.



This preview shows how white text looks on a background with the Yxy color 38.4708, 0.2215, 0.2270.

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

38.4708, 0.2215, 0.2270

Protanopia

38.1806, 0.2386, 0.2281

Deuteranopia

38.3547, 0.2295, 0.2231



Tritanopia

38.3594, 0.2406, 0.3059

Trichromacy



Original Color

38.4708, 0.2215, 0.2270

Protanomaly

38.1090, 0.2314, 0.2271

Deuteranomaly

38.1873, 0.2258, 0.2234

Tritanomaly

38.0607, 0.2329, 0.2738

Monochromacy



Original Color

38.4708, 0.2215, 0.2270

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.1963, 0.2721, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4708, 0.2215, 0.2270 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(111, 169, 247)` looks like.

```
.text, #text, p{  
    color:rgb(111, 169, 247)  
}
```

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(111, 169, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 169, 247) }
```

Border

The CSS property to change the border of an element to Yxy 38.4708, 0.2215, 0.2270 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(111, 169, 247) }
```

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

```
.border{ border-color:rgb(111, 169, 247) }
```

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

Here you see how a box with a 4 pixel rgb(111, 169, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 169, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 169, 247);  
box-shadow:4px 4px 4px 4px rgb(111, 169,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4708, 0.2215, 0.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 169, 247) }
```

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

```
.background{ background-color: rgb(111,  
169, 247) }
```

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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