

Converting Colors

$Y_{xy}(38.1157, 0.2249, 0.2283)$

Have a look what the booklet for
Yxy(38.1157, 0.2249, 0.2283)
contains.

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Color

Yxy(38.2499, 0.2251, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	74A8F4
RGB	116, 168, 244
RGB Percent	45%, 66%, 96%
CMY	0.5446, 0.3413, 0.0430
CMYK	0.52, 0.31, 0.00, 0.04
HSL	216°, 85%, 71%
HSV	216°, 52%, 96%
XYZ	37.5493, 38.2499, 91.0124
YIQ	161.1160, -55.3880, 12.6120

Conversions

Conversions Part 2

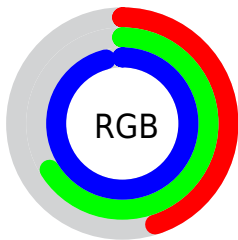
Format	Color
R_{YB}	116, 153, 244
Decimal	7645428
CIE Lab	68.20, 3.93, -43.22
CIE LCh	68, 43.397, 275.196
Yxy	38.2499, 0.2251, 0.2293
Android (android.graphics.Color)	4285835508 (0xFF74A8F4)
YUV	161.1160, 40.8618, -39.5667
Hunter-Lab	61.8465, 0.1425, -43.9577

Details

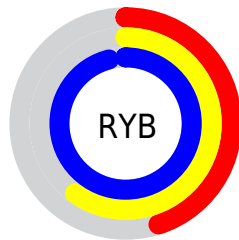
The Yxy color **38.2499, 0.2251, 0.2293** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **58.2793, 0.4171, 0.4095**, and the grayscale version is **35.5358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.9940, 0.2628, 0.2929**, and **16.8629, 0.2017, 0.2032** is the 20% darker color. If you saturate the color by 10%, you get **31.7295, 0.2091, 0.2061**, and if you desaturate by 10%, it is **45.8101, 0.2421, 0.2517**.

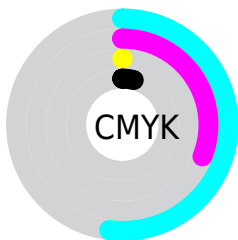
Distribution



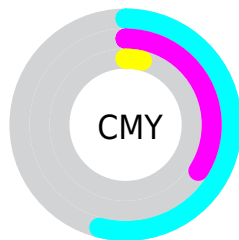
- Red (45%)
- Green (66%)
- Blue (96%)



- Red (45%)
- Yellow (60%)
- Blue (96%)



- Cyan (52%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)



- Cyan (54%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.2499, 0.2251, 0.2293 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 38.2499, 0.2251, 0.2293 by changing the saturation by 10% instead.

■ 38.2499, 0.2251,
0.2293

■ 38.2499, 0.2251,
0.2293

338.6908, 0.2685,
0.2781

■ 26.1767, 0.2147,
0.2177

■ 72.4910, 0.2406,
0.2466

■ 16.9559, 0.2016,
0.2033

■ 95.4277, 0.2466,
0.2533

■ 10.2030, 0.1849,
0.1850

■ 122.7544, 0.2516,
0.2590

■ 5.5338, 0.1630,
0.1613

154.8554, 0.2559,
0.2639

■ 2.5637, 0.1337,
0.1300

192.1151, 0.2597,
0.2681

■ 0.9085, 0.0944,
0.0889

234.9180, 0.2630,

■ 0.0000, 0.0000,

0.2719

0.0000

283.6484, 0.2659,
0.2752

■ 38.2499, 0.2251,
0.2293

■ 38.2499, 0.2251,
0.2293

■ 31.7295, 0.2091,
0.2061

■ 45.8101, 0.2421,
0.2517

■ 26.1902, 0.1947,
0.1828

■ 54.4561, 0.2595,
0.2728

■ 21.5722, 0.1826,
0.1602

■ 64.2355, 0.2766,
0.2922

■ 17.8047, 0.1733,
0.1393

■ 75.1916, 0.2933,
0.3097

■ 15.4427, 0.1680,
0.1248

■ 87.3654, 0.3091,
0.3255

99.3133, 0.3191,
0.3395

Harmonies

Analogous

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



38.2499, 0.2010, 0.2468



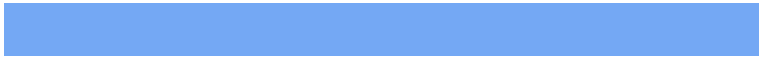
38.2499, 0.2251, 0.2293



38.2499, 0.2726, 0.2348

Triad

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



38.2499, 0.2251, 0.2293



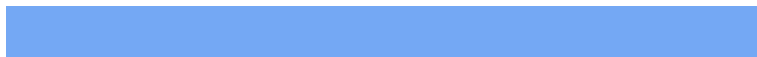
38.2499, 0.4373, 0.3479



38.2499, 0.2804, 0.4164

Complementary

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



38.2499, 0.2251, 0.2293



58.2793, 0.4171, 0.4095

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.



38.2499, 0.3429, 0.4470



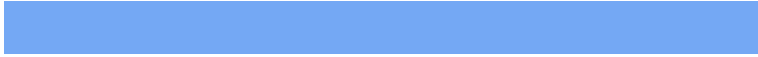
38.2499, 0.2251, 0.2293



38.2499, 0.4365, 0.3965

Square

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



38.2499, 0.2251, 0.2293



38.2499, 0.3994, 0.2999



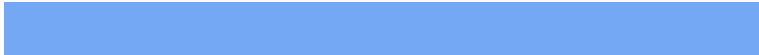
38.2499, 0.4005, 0.4353



38.2499, 0.2296, 0.3534

Rectangle

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



38.2499, 0.2251, 0.2293



38.2499, 0.3143, 0.2497



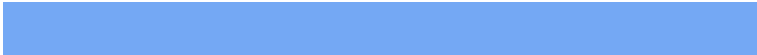
38.2499, 0.4005, 0.4353



38.2499, 0.3007, 0.4313

Sweetspot

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



38.2513, 0.2251, 0.2293



78.5525, 0.2873, 0.3036



72.1891, 0.2695, 0.3974



16.2768, 0.2839, 0.3000



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.



38.2513, 0.2251, 0.2293



34.5782, 0.2079, 0.2044



23.5489, 0.2184, 0.1643



17.0296, 0.2980, 0.3145



8.6467, 0.1688, 0.1278



0.9562, 0.1757, 0.1524

Inverse Universe

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



34.5842, 0.4011, 0.2739



31.8475, 0.4303, 0.2657



83.3671, 0.3813, 0.4590



16.5939, 0.3230, 0.3194



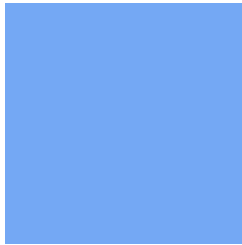
10.9723, 0.5358, 0.2725



0.9842, 0.5028, 0.2544

Previews

White Background



This preview shows how the Yxy color 38.2499, 0.2251, 0.2293 looks on a white background.

Color Contrast Check

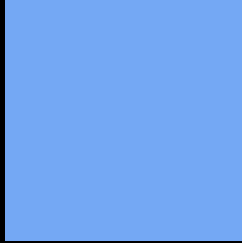
Large Text (above 18pt) WCAG AA × Fail

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 38.2499, 0.2251, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

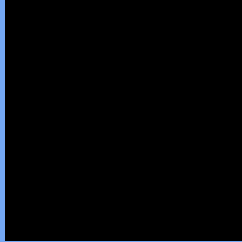
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

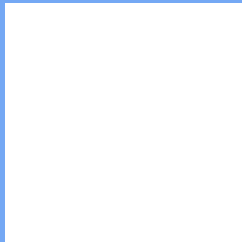
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.2499, 0.2251, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 38.2499, 0.2251, 0.2293.



This preview shows how white text looks on a background with the Yxy color 38.2499, 0.2251, 0.2293.

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

38.2499, 0.2251, 0.2293

Protanopia

38.1484, 0.2403, 0.2303

Deuteranopia

38.3281, 0.2321, 0.2263



Tritanopia

38.2432, 0.2450, 0.3075

Trichromacy



Original Color

38.2499, 0.2251, 0.2293

Protanomaly

38.1667, 0.2347, 0.2305

Deuteranomaly

38.3006, 0.2294, 0.2270

Tritanomaly

37.9785, 0.2372, 0.2753

Monochromacy



Original Color

38.2499, 0.2251, 0.2293

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.3322, 0.2745, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.2499, 0.2251, 0.2293 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(116, 168, 244)` looks like.

```
.text, #text, p{  
    color:rgb(116, 168, 244)  
}
```

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(116, 168, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 168, 244) }
```

Border

The CSS property to change the border of an element to Yxy 38.2499, 0.2251, 0.2293 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(116, 168, 244) }
```

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

```
.border{ border-color:rgb(116, 168, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 168, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 168, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 168, 244);  
box-shadow:4px 4px 4px 4px rgb(116, 168,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 38.2499, 0.2251, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 168, 244) }
```

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

```
.background{ background-color: rgb(116,  
168, 244) }
```

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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