

Converting Colors

$Y_{xy}(38.3489, 0.2331, 0.2275)$

Have a look what the booklet for
Yxy(38.3489, 0.2331, 0.2275)
contains.

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Color

Yxy(38.3475, 0.2331, 0.2275)

Conversions

Conversions Part 1

Format	Color
Hex	84A5F4
RGB	132, 165, 244
RGB Percent	52%, 65%, 96%
CMY	0.4826, 0.3529, 0.0431
CMYK	0.46, 0.32, 0.00, 0.04
HSL	222°, 84%, 74%
HSV	222°, 46%, 96%
XYZ	39.2914, 38.3475, 90.9215
YIQ	164.1390, -45.0270, 17.5730

Conversions

Conversions Part 2

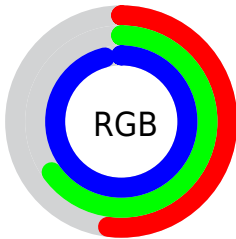
Format	Color
R_{YB}	132, 157, 244
Decimal	8693236
CIE Lab	68.28, 9.21, -43.03
CIE LCh	68, 44.007, 282.081
Yxy	38.3475, 0.2331, 0.2275
Android (android.graphics.Color)	4286883316 (0xFF84A5F4)
YUV	164.1390, 39.3715, -28.1859
Hunter-Lab	61.9254, 4.8883, -43.7044

Details

The Yxy color **38.3475, 0.2331, 0.2275** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.4429, 0.3957, 0.4123**, and the grayscale version is **37.0139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2252, 0.2711, 0.2904**, and **17.1183, 0.2120, 0.2029** is the 20% darker color. If you saturate the color by 10%, you get **30.8150, 0.2149, 0.2006**, and if you desaturate by 10%, it is **47.1768, 0.2516, 0.2533**.

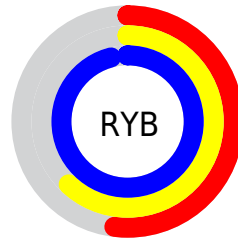
Distribution



Red (52%)

Green (65%)

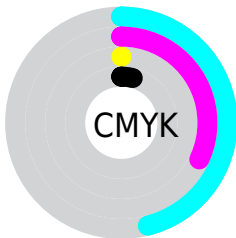
Blue (96%)



Red (52%)

Yellow (62%)

Blue (96%)

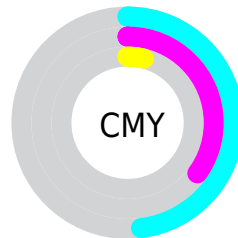


Cyan (46%)

Magenta (32%)

Yellow (0%)

Black (4%)



Cyan (48%)

Magenta (35%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3475, 0.2331, 0.2275 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 38.3475, 0.2331, 0.2275 by changing the saturation by 10% instead.

■ 38.3475, 0.2331,
0.2275

■ 38.3475, 0.2331,
0.2275

339.1083, 0.2729,
0.2768

■ 26.2525, 0.2234,
0.2159

■ 72.6405, 0.2474,
0.2449

■ 17.0126, 0.2113,
0.2015

■ 95.6072, 0.2528,
0.2516

■ 10.2435, 0.1956,
0.1833

■ 122.9667, 0.2574,
0.2573

■ 5.5607, 0.1749,
0.1598

155.1032, 0.2614,
0.2623

■ 2.5799, 0.1469,
0.1289

192.4013, 0.2648,
0.2666

■ 0.9165, 0.1083,
0.0884

235.2452, 0.2679,

■ 0.0000, 0.0102,

0.2704

0.0000

284.0194, 0.2705,
0.2738

■ 0.0000, 0.0000,
0.0000

■ 38.3475, 0.2331,
0.2275

■ 38.3475, 0.2331,
0.2275

■ 30.8150, 0.2149,
0.2006

■ 47.1768, 0.2516,
0.2533

■ 24.5094, 0.1979,
0.1734

■ 57.3593, 0.2699,
0.2772

■ 19.3602, 0.1831,
0.1472

■ 68.9529, 0.2873,
0.2990

■ 15.2864, 0.1711,
0.1234

■ 82.0108, 0.3036,
0.3185

■ 12.1936, 0.1626,
0.1030

■ 96.5834, 0.3187,
0.3358

■ 11.1724, 0.1600,
0.0958

■ 99.3119, 0.3191,
0.3395

Harmonies

Analogous

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



38.3475, 0.2031, 0.2395



38.3475, 0.2331, 0.2275



38.3475, 0.2859, 0.2380

Triad

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



38.3475, 0.2331, 0.2275



38.3475, 0.4424, 0.3595



38.3475, 0.2665, 0.4048

Complementary

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



38.3475, 0.2331, 0.2275



67.4429, 0.3957, 0.4123

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.



38.3475, 0.3285, 0.4455



38.3475, 0.2331, 0.2275



38.3475, 0.4323, 0.4076

Square

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



38.3475, 0.2331, 0.2275



38.3475, 0.4124, 0.3101



38.3475, 0.3894, 0.4425



38.3475, 0.2199, 0.3378

Rectangle

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



38.3475, 0.2331, 0.2275



38.3475, 0.3298, 0.2557



38.3475, 0.3894, 0.4425



38.3475, 0.2862, 0.4228

Sweetspot

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



38.3489, 0.2331, 0.2275



78.8317, 0.2905, 0.3029



74.2758, 0.2670, 0.3704



16.2368, 0.2868, 0.2985



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.



38.3489, 0.2331, 0.2275



34.6787, 0.2163, 0.2028



29.9186, 0.2414, 0.1903



16.7240, 0.2980, 0.3118



6.2804, 0.1607, 0.0985



0.7229, 0.1675, 0.1228

Inverse Universe

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



38.4341, 0.3994, 0.2933



35.8703, 0.4273, 0.2873



81.8326, 0.3646, 0.4486



16.5630, 0.3247, 0.3220



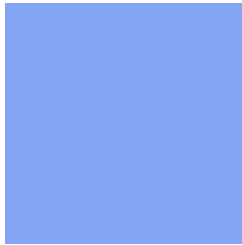
10.7334, 0.5781, 0.2958



0.9606, 0.5427, 0.2763

Previews

White Background



This preview shows how the Yxy color 38.3475, 0.2331, 0.2275 looks on a white background.

Color Contrast Check

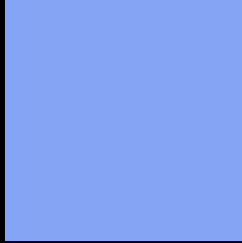
Large Text (above 18pt) WCAG AA × Fail

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 38.3475, 0.2331, 0.2275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

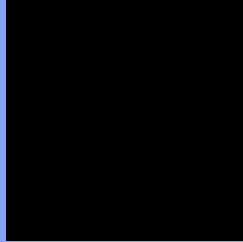
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

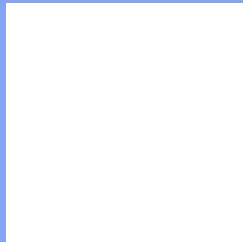
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.3475, 0.2331, 0.2275

Background



This preview shows how black text looks on a background with the Yxy color 38.3475, 0.2331, 0.2275.



This preview shows how white text looks on a background with the Yxy color 38.3475, 0.2331, 0.2275.

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

38.3475, 0.2331, 0.2275

Protanopia

38.2409, 0.2381, 0.2271

Deuteranopia

38.4285, 0.2337, 0.2276



Tritanopia

38.4814, 0.2563, 0.3080

Trichromacy



Original Color

38.3475, 0.2331, 0.2275

Protanomaly

38.3403, 0.2364, 0.2279

Deuteranomaly

38.4285, 0.2337, 0.2276

Tritanomaly

38.2958, 0.2471, 0.2750

Monochromacy



Original Color

38.3475, 0.2331, 0.2275

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.0766, 0.2787, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3475, 0.2331, 0.2275 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(132, 165, 244)` looks like.

```
.text, #text, p{  
    color:rgb(132, 165, 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(132, 165, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 165, 244) }
```

Border

The CSS property to change the border of an element to Yxy 38.3475, 0.2331, 0.2275 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(132, 165, 244) }
```

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

```
.border{ border-color:rgb(132, 165, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 165, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 165, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 165, 244);  
box-shadow:4px 4px 4px 4px rgb(132, 165,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3475, 0.2331, 0.2275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 165, 244) }
```

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

```
.background{ background-color: rgb(132,  
165, 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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