

Converting Colors

$Yxy(38.8876, 0.2258, 0.2221)$

Have a look what the booklet for
Yxy(38.8876, 0.2258, 0.2221)
contains.

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Color

Yxy(38.8876, 0.2258, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	7CA7FB
RGB	124, 167, 251
RGB Percent	49%, 65%, 98%
CMY	0.5139, 0.3450, 0.0158
CMYK	0.51, 0.33, 0.00, 0.02
HSL	220°, 94%, 74%
HSV	220°, 51%, 98%
XYZ	39.5354, 38.8876, 96.6675
YIQ	163.7190, -52.5920, 17.0080

Conversions

Conversions Part 2

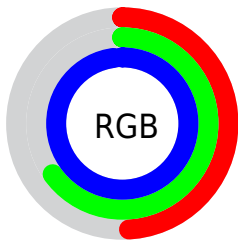
Format	Color
RYB	124, 156, 251
Decimal	8169467
CIELab	68.67, 8.28, -46.24
CIELCh	69, 46.976, 280.155
Yxy	38.8876, 0.2258, 0.2221
Android (android.graphics.Color)	4286359547 (0xFF7CA7FB)
YUV	163.7190, 43.0295, -34.8336
Hunter-Lab	62.3599, 4.0370, -48.2567

Details

The Yxy color **38.8876, 0.2258, 0.2221** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.0316, 0.4083, 0.4151**, and the grayscale version is **36.7919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4076, 0.2672, 0.2922**, and **17.2133, 0.2024, 0.1944** is the 20% darker color. If you saturate the color by 10%, you get **31.5574, 0.2086, 0.1964**, and if you desaturate by 10%, it is **47.4761, 0.2438, 0.2469**.

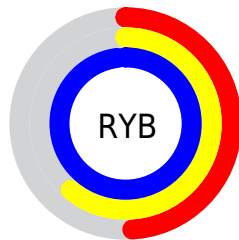
Distribution



Red (49%)

Green (65%)

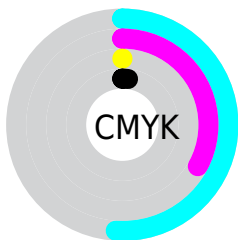
Blue (98%)



Red (49%)

Yellow (61%)

Blue (98%)

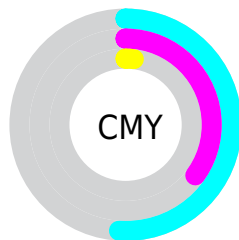


Cyan (51%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (51%)


Magenta (35%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.8876, 0.2258, 0.2221 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 38.8876, 0.2258, 0.2221 by changing the saturation by 10% instead.


 38.8876, 0.2258,
0.2221


 38.8876, 0.2258,
0.2221


341.4124, 0.2688,
0.2737


 26.6723, 0.2155,
0.2101


 73.4666, 0.2412,
0.2402

 17.3273, 0.2027,
0.1953


 96.5990, 0.2470,
0.2473

 10.4681, 0.1863,
0.1767


 124.1394, 0.2520,
0.2533

 5.7104, 0.1649,
0.1529

156.4719, 0.2563,
0.2584

 2.6698, 0.1364,
0.1221

193.9811, 0.2601,
0.2630

 0.9619, 0.0985,
0.0827

237.0513, 0.2633,

 0.0000, 0.0123,

0.2670

0.0000

286.0669, 0.2662,
0.2705

0.0000, 0.0000,
0.0000

38.8876, 0.2258,
0.2221

38.8876, 0.2258,
0.2221

31.5574, 0.2086,
0.1964

47.4761, 0.2438,
0.2469

25.4149, 0.1930,
0.1708

57.3795, 0.2618,
0.2702

20.3882, 0.1798,
0.1464

68.6558, 0.2794,
0.2916

16.3931, 0.1696,
0.1242

81.3579, 0.2961,
0.3109

13.4722, 0.1628,
0.1062

95.5359, 0.3118,
0.3280

99.7434, 0.3150,
0.3328

Harmonies

Analogous

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



38.8876, 0.1961, 0.2359



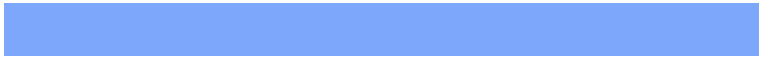
38.8876, 0.2258, 0.2221



38.8876, 0.2799, 0.2318

Triad

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



38.8876, 0.2258, 0.2221



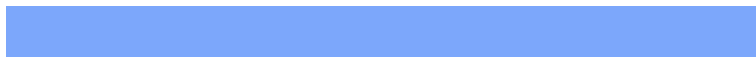
38.8876, 0.4496, 0.3570



38.8876, 0.2672, 0.4141

Complementary

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



38.8876, 0.2258, 0.2221



67.0316, 0.4083, 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.



38.8876, 0.3332, 0.4546



38.8876, 0.2258, 0.2221



38.8876, 0.4411, 0.4082

Square

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



38.8876, 0.2258, 0.2221



38.8876, 0.4153, 0.3055



38.8876, 0.3971, 0.4475



38.8876, 0.2169, 0.3427

Rectangle

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



38.8876, 0.2258, 0.2221



38.8876, 0.3259, 0.2496



38.8876, 0.3971, 0.4475



38.8876, 0.2883, 0.4326

Sweetspot

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



38.8890, 0.2258, 0.2221



78.3690, 0.2889, 0.3026



77.7423, 0.2665, 0.3837



16.1827, 0.2853, 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.



38.8890, 0.2258, 0.2221



32.4123, 0.2079, 0.1953



27.2099, 0.2278, 0.1725



17.6046, 0.2979, 0.3129



7.3240, 0.1637, 0.1091



0.8661, 0.1702, 0.1327

Inverse Universe

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



37.7008, 0.4067, 0.2842



32.5420, 0.4383, 0.2774



87.5757, 0.3734, 0.4581



17.3223, 0.3240, 0.3210



11.1503, 0.5623, 0.2871



1.0517, 0.5290, 0.2688

Previews

White Background



This preview shows how the Yxy color 38.8876, 0.2258, 0.2221 looks on a white background.

Color Contrast Check

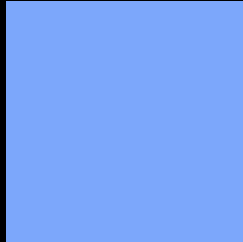
Large Text (above 18pt) WCAG AA × Fail

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 38.8876, 0.2258, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

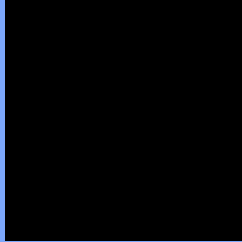
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

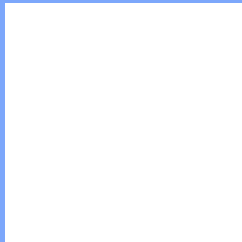
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.8876, 0.2258, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 38.8876, 0.2258, 0.2221.



This preview shows how white text looks on a background with the Yxy color 38.8876, 0.2258, 0.2221.

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

38.8876, 0.2258, 0.2221

Protanopia

38.7315, 0.2345, 0.2231

Deuteranopia

38.8267, 0.2277, 0.2213



Tritanopia

39.0937, 0.2486, 0.3078

Trichromacy



Original Color

38.8876, 0.2258, 0.2221

Protanomaly

38.7364, 0.2313, 0.2227

Deuteranomaly

38.7495, 0.2272, 0.2212

Tritanomaly

38.9597, 0.2397, 0.2735

Monochromacy



Original Color

38.8876, 0.2258, 0.2221

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.2854, 0.2742, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.8876, 0.2258, 0.2221 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(124, 167, 251)` looks like.

```
.text, #text, p{  
    color:rgb(124, 167, 251)  
}
```

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(124, 167, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 167, 251) }
```

Border

The CSS property to change the border of an element to Yxy 38.8876, 0.2258, 0.2221 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(124, 167, 251) }
```

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

```
.border{ border-color:rgb(124, 167, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 167, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 167, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 167, 251);  
box-shadow:4px 4px 4px 4px rgb(124, 167,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 38.8876, 0.2258, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 167, 251) }
```

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

```
.background{ background-color: rgb(124,  
167, 251) }
```

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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