

Converting Colors

$Y_{xy}(35.8445, 0.2203, 0.2156)$

Have a look what the booklet for
Yxy(35.8445, 0.2203, 0.2156)
contains.

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Color

Yxy(35.8445, 0.2203, 0.2156)

Conversions

Conversions Part 1

Format	Color
Hex	72A1F8
RGB	114, 161, 248
RGB Percent	45%, 63%, 97%
CMY	0.5529, 0.3686, 0.0275
CMYK	0.54, 0.35, 0.00, 0.03
HSL	219°, 91%, 71%
HSV	219°, 54%, 97%
XYZ	36.6259, 35.8445, 93.7842
YIQ	156.8650, -55.9390, 17.0930

Conversions

Conversions Part 2

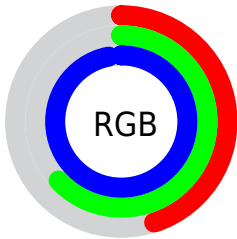
Format	Color
RYB	114, 149, 248
Decimal	7512568
CIELab	66.40, 8.67, -48.22
CIELCh	66, 48.995, 280.194
Yxy	35.8445, 0.2203, 0.2156
Android (android.graphics.Color)	4285702648 (0xFF72A1F8)
YUV	156.8650, 44.9296, -37.5926
Hunter-Lab	59.8703, 4.4252, -50.9661

Details

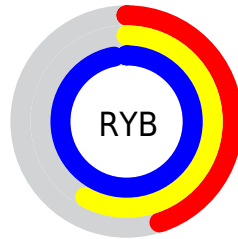
The Yxy color **35.8445, 0.2203, 0.2156** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.9373, 0.4166, 0.4186**, and the grayscale version is **33.4677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7051, 0.2611, 0.2835**, and **15.5916, 0.1956, 0.1871** is the 20% darker color. If you saturate the color by 10%, you get **29.1324, 0.2037, 0.1903**, and if you desaturate by 10%, it is **43.7343, 0.2379, 0.2403**.

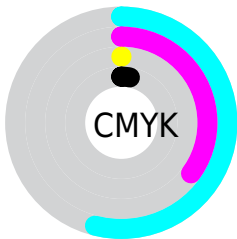
Distribution



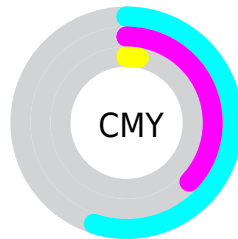
- Red (45%)
- Green (63%)
- Blue (97%)



- Red (45%)
- Yellow (58%)
- Blue (97%)



- Cyan (54%)
- Magenta (35%)
- Yellow (0%)
- Black (3%)





- Cyan (55%)
- Magenta (37%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8445, 0.2203, 0.2156 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 35.8445, 0.2203, 0.2156 by changing the saturation by 10% instead.


 35.8445, 0.2203,
0.2156

 35.8445, 0.2203,
0.2156


328.2804, 0.2665,
0.2707


 24.3141, 0.2092,
0.2027


 68.7920, 0.2368,
0.2350

 15.5668, 0.1953,
0.1868


 90.9779, 0.2431,
0.2425

 9.2181, 0.1776,
0.1669


 117.4844, 0.2485,
0.2490

 4.8837, 0.1545,
0.1415

148.6960, 0.2531,
0.2545

 2.1792, 0.1240,
0.1089

184.9970, 0.2571,
0.2593

 0.7086, 0.0843,
0.0674

226.7718, 0.2606,

 0.0000, 0.0000,

0.2636

0.0000

274.4048, 0.2637,
0.2674

■ 35.8445, 0.2203,
0.2156

■ 35.8445, 0.2203,
0.2156

■ 29.1324, 0.2037,
0.1903

■ 43.7343, 0.2379,
0.2403

■ 23.5295, 0.1890,
0.1653

■ 52.8572, 0.2559,
0.2637

■ 18.9645, 0.1769,
0.1417

■ 63.2693, 0.2735,
0.2853

■ 15.3532, 0.1678,
0.1205

■ 75.0217, 0.2905,
0.3050

■ 13.5913, 0.1637,
0.1094

■ 88.1627, 0.3066,
0.3225

99.5565, 0.3168,
0.3357

Harmonies

Analogous

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



35.8445, 0.1891, 0.2297



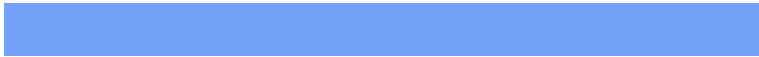
35.8445, 0.2203, 0.2156



35.8445, 0.2775, 0.2261

Triad

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



35.8445, 0.2203, 0.2156



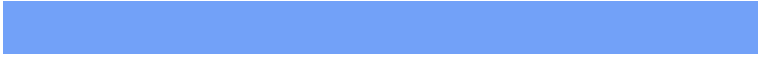
35.8445, 0.4592, 0.3577



35.8445, 0.2636, 0.4208

Complementary

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



35.8445, 0.2203, 0.2156



62.9373, 0.4166, 0.4186

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.



35.8445, 0.3336, 0.4643



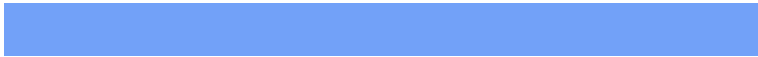
35.8445, 0.2203, 0.2156



35.8445, 0.4494, 0.4122

Square

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



35.8445, 0.2203, 0.2156



35.8445, 0.4228, 0.3036



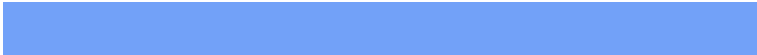
35.8445, 0.4018, 0.4553



35.8445, 0.2105, 0.3432

Rectangle

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



35.8445, 0.2203, 0.2156



35.8445, 0.3267, 0.2448



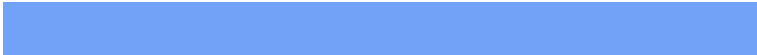
35.8445, 0.4018, 0.4553



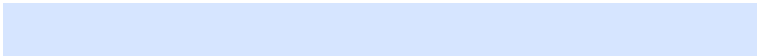
35.8445, 0.2859, 0.4410

Sweetspot

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



35.8457, 0.2203, 0.2156



77.3152, 0.2872, 0.3012



74.8219, 0.2655, 0.3911



15.9835, 0.2837, 0.2972



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.



35.8457, 0.2203, 0.2156



30.3460, 0.2021, 0.1876



23.7076, 0.2195, 0.1604



17.6389, 0.2979, 0.3132



7.5801, 0.1645, 0.1122



0.8928, 0.1711, 0.1358

Inverse Universe

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



34.5636, 0.4145, 0.2801



30.5654, 0.4487, 0.2736



85.1855, 0.3782, 0.4651



17.3258, 0.3239, 0.3207



11.1761, 0.5578, 0.2846



1.0544, 0.5247, 0.2664

Previews

White Background



This preview shows how the Yxy color 35.8445, 0.2203, 0.2156 looks on a white background.

Color Contrast Check

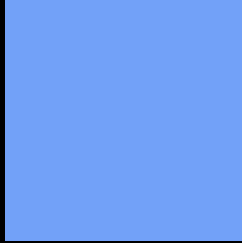
Large Text (above 18pt) WCAG AA × Fail

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 35.8445, 0.2203, 0.2156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

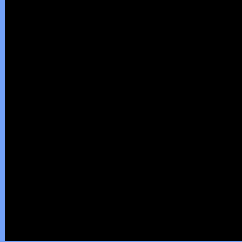
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

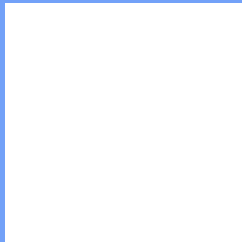
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.8445, 0.2203, 0.2156

Background



This preview shows how black text looks on a background with the Yxy color 35.8445, 0.2203, 0.2156.



This preview shows how white text looks on a background with the Yxy color 35.8445, 0.2203, 0.2156.

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

35.8445, 0.2203, 0.2156

Protanopia

35.7921, 0.2298, 0.2169

Deuteranopia

35.6319, 0.2211, 0.2145



Tritanopia

35.7503, 0.2432, 0.3069

Trichromacy



Original Color

35.8445, 0.2203, 0.2156

Protanomaly

35.7352, 0.2261, 0.2163

Deuteranomaly

35.5638, 0.2205, 0.2144

Tritanomaly

35.6887, 0.2341, 0.2699

Monochromacy



Original Color

35.8445, 0.2203, 0.2156

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.8341, 0.2712, 0.2823

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8445, 0.2203, 0.2156 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(114, 161, 248)` looks like.

```
.text, #text, p{  
    color:rgb(114, 161, 248)  
}
```

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(114, 161, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 161, 248) }
```

Border

The CSS property to change the border of an element to Yxy 35.8445, 0.2203, 0.2156 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(114, 161, 248) }
```

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

```
.border{ border-color:rgb(114, 161, 248) }
```

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

Here you see how a box with a 4 pixel rgb(114, 161, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 161, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 161, 248);  
box-shadow:4px 4px 4px 4px rgb(114, 161,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8445, 0.2203, 0.2156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 161, 248) }
```

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

```
.background{ background-color: rgb(114,  
161, 248) }
```

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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