

# Converting Colors

$Y_{xy}(35.6537, 0.2181, 0.2148)$

Have a look what the booklet for  
Yxy(35.6537, 0.2181, 0.2148)  
contains.

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# **Color**

**Yxy(35.5820, 0.2183, 0.2150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6EA1F8
RGB	110, 161, 248
RGB Percent	43%, 63%, 97%
CMY	0.5683, 0.3687, 0.0274
CMYK	0.56, 0.35, 0.00, 0.03
HSL	218°, 91%, 70%
HSV	218°, 56%, 97%
XYZ	36.1281, 35.5820, 93.7875
YIQ	155.6690, -58.3230, 16.2450

# Conversions

## Conversions Part 2

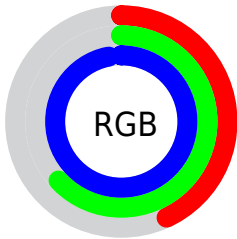
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	110, 147, 248
Decimal	7250424
CIE Lab	66.20, 7.88, -48.57
CIE LCh	66, 49.207, 279.221
Yxy	35.5820, 0.2183, 0.2150
Android (android.graphics.Color)	4285440504 (0xFF6EA1F8)
YUV	155.6690, 45.5192, -40.0517
Hunter-Lab	59.6506, 3.7221, -51.4650

# Details

The Yxy color **35.5820, 0.2183, 0.2150** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.0751, 0.4217, 0.4185**, and the grayscale version is **32.9120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2559, 0.2588, 0.2832**, and **15.4270, 0.1929, 0.1863** is the 20% darker color. If you saturate the color by 10%, you get **29.0763, 0.2022, 0.1903**, and if you desaturate by 10%, it is **43.2200, 0.2356, 0.2392**.

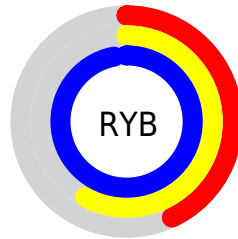
# Distribution



Red (43%)

Green (63%)

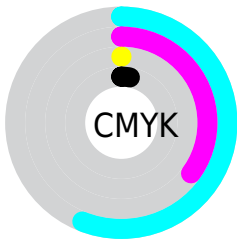
Blue (97%)



Red (43%)

Yellow (58%)

Blue (97%)

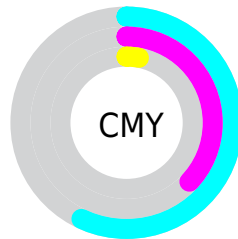


Cyan (56%)

Magenta (35%)

Yellow (0%)

Black (3%)



Cyan (57%)

Magenta (37%)


Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 35.5820, 0.2183, 0.2150 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 35.5820, 0.2183, 0.2150 by changing the saturation by 10% instead.





 35.5820, 0.2183,  
0.2150


 35.5820, 0.2183,  
0.2150


327.1298, 0.2654,  
0.2705

 24.1115, 0.2070,  
0.2020

 68.3864, 0.2352,  
0.2346

 15.4164, 0.1928,  
0.1860


 90.4891, 0.2416,  
0.2421

 9.1121, 0.1748,  
0.1659


 116.9048, 0.2471,  
0.2486

 4.8144, 0.1514,  
0.1403

148.0176, 0.2518,  
0.2542

 2.1388, 0.1207,  
0.1075

184.2122, 0.2558,  
0.2591

 0.6863, 0.0809,  
0.0657

225.8728, 0.2594,

 0.0000, 0.0000,

0.2633

0.0000

273.3839, 0.2626,  
0.2671

■ 35.5820, 0.2183,  
0.2150

■ 35.5820, 0.2183,  
0.2150

■ 29.0763, 0.2022,  
0.1903

■ 43.2200, 0.2356,  
0.2392

■ 23.6358, 0.1881,  
0.1660

■ 52.0441, 0.2533,  
0.2621

■ 19.1904, 0.1765,  
0.1430

■ 62.1090, 0.2709,  
0.2834

■ 15.6565, 0.1681,  
0.1225

■ 73.4643, 0.2879,  
0.3028

■ 14.3506, 0.1651,  
0.1143

■ 86.1567, 0.3041,  
0.3201

99.4841, 0.3168,  
0.3356

99.5586, 0.3168,  
0.3357

# Harmonies

## Analogous

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



35.5820, 0.1879, 0.2300



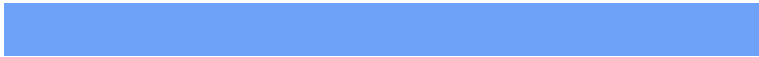
35.5820, 0.2183, 0.2150



35.5820, 0.2750, 0.2248

# Triad

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



35.5820, 0.2183, 0.2150



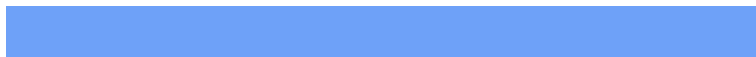
35.5820, 0.4597, 0.3560



35.5820, 0.2653, 0.4237

# Complementary

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



35.5820, 0.2183, 0.2150



61.0751, 0.4217, 0.4185

# 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.



35.5820, 0.3360, 0.4658



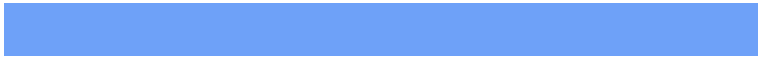
35.5820, 0.2183, 0.2150



35.5820, 0.4512, 0.4109

# Square

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



35.5820, 0.2183, 0.2150



35.5820, 0.4216, 0.3017



35.5820, 0.4043, 0.4550



35.5820, 0.2112, 0.3458



# Rectangle

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



35.5820, 0.2183, 0.2150



35.5820, 0.3242, 0.2432



35.5820, 0.4043, 0.4550



35.5820, 0.2879, 0.4435

# Sweetspot

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



35.5832, 0.2183, 0.2150



76.4577, 0.2856, 0.3001



74.4150, 0.2657, 0.3964



15.8287, 0.2822, 0.2964



0.0000, 0.0000, 0.0000

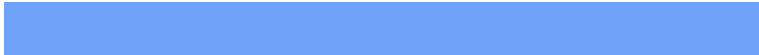


21.4041, 0.3127, 0.3290

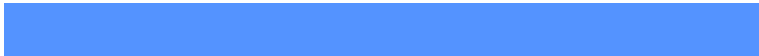


# Same Dimension

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



35.5832, 0.2183, 0.2150



30.0402, 0.2000, 0.1867



22.3975, 0.2148, 0.1544



17.6920, 0.2979, 0.3136



7.9956, 0.1659, 0.1172



0.9355, 0.1725, 0.1408



# Inverse Universe

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



33.7028, 0.4159, 0.2763



29.7367, 0.4508, 0.2697



85.4195, 0.3813, 0.4676



17.3311, 0.3236, 0.3203



11.2181, 0.5507, 0.2807



1.0587, 0.5180, 0.2627



# Previews

## White Background



This preview shows how the Yxy color 35.5820, 0.2183, 0.2150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

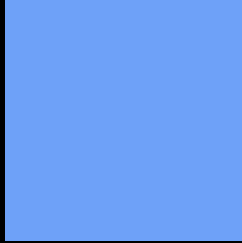
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 35.5820, 0.2183, 0.2150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

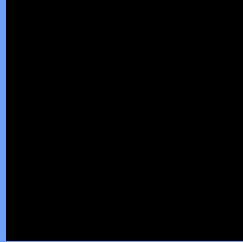
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

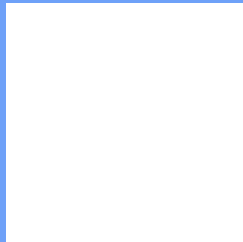
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 35.5820, 0.2183, 0.2150**

## **Background**



This preview shows how black text looks on a background with the Yxy color 35.5820, 0.2183, 0.2150.



This preview shows how white text looks on a background with the Yxy color 35.5820, 0.2183, 0.2150.

# 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

35.5820, 0.2183, 0.2150

### Protanopia

35.3736, 0.2289, 0.2154

### Deuteranopia

35.5638, 0.2205, 0.2144



## Tritanopia

35.5012, 0.2406, 0.3067

# Trichromacy



**Original Color**

35.5820, 0.2183, 0.2150

**Protanomaly**

35.2451, 0.2247, 0.2147

**Deuteranomaly**

35.4296, 0.2195, 0.2141

**Tritanomaly**

35.4123, 0.2315, 0.2695

# Monochromacy



**Original Color**

35.5820, 0.2183, 0.2150

**Achromatopsia**

33.2452, 0.3127, 0.3290

**Achromatomaly**

33.6168, 0.2703, 0.2834

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 35.5820, 0.2183, 0.2150 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(110, 161, 248)` looks like.

```
.text, #text, p{  
    color:rgb(110, 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(110, 161, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 161, 248) }
```

## Border

The CSS property to change the border of an element to Yxy 35.5820, 0.2183, 0.2150 is called "border". The border property can be set on classes, ids or directly on the HTML element.

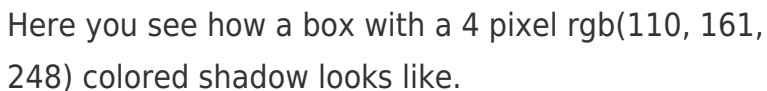
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 161, 248) }
```

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

```
.border{ border-color:rgb(110, 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(110, 161, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 161, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 161, 248); box-shadow:4px 4px 4px 4px rgb(110, 161, 248) }
```



# Background

The CSS property to change the background color of an element to Yxy 35.5820, 0.2183, 0.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 161, 248) }
```

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

```
.background{ background-color: rgb(110,  
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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