

Converting Colors

$Yxy(37.7681, 0.2164, 0.2162)$

Have a look what the booklet for
Yxy(37.7681, 0.2164, 0.2162)
contains.

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Color

Yxy(37.6163, 0.2163, 0.2157)

Conversions

Conversions Part 1

Format	Color
Hex	6CA6FE
RGB	108, 166, 254
RGB Percent	42%, 65%, 100%
CMY	0.5761, 0.3491, 0.0038
CMYK	0.57, 0.35, 0.00, 0.00
HSL	216°, 99%, 71%
HSV	216°, 57%, 100%
XYZ	37.7209, 37.6163, 99.0545
YIQ	158.6900, -62.8160, 15.0720

Conversions

Conversions Part 2

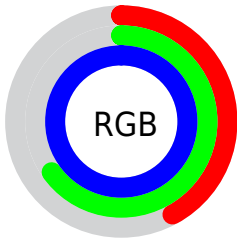
Format	Color
R _Y B	108, 150, 254
Decimal	7120638
CIE Lab	67.74, 6.50, -49.42
CIE LCh	68, 49.844, 277.498
Yxy	37.6163, 0.2163, 0.2157
Android (android.graphics.Color)	4285310718 (0xFF6CA6FE)
YUV	158.6900, 46.9878, -44.4551
Hunter-Lab	61.3321, 2.4512, -52.8239

Details

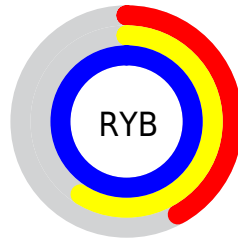
The Yxy color **37.6163, 0.2163, 0.2157** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.7024, 0.4286, 0.4173**, and the grayscale version is **34.3359, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2577, 0.2592, 0.2902**, and **16.6860, 0.1911, 0.1879** is the 20% darker color. If you saturate the color by 10%, you get **31.0052, 0.2009, 0.1920**, and if you desaturate by 10%, it is **45.3580, 0.2330, 0.2390**.

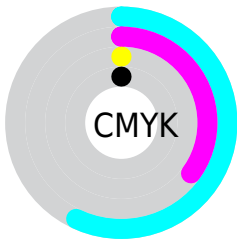
Distribution



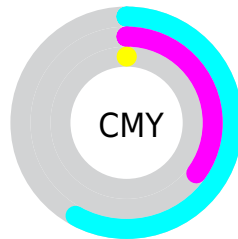
- Red (42%)
- Green (65%)
- Blue (100%)



- Red (42%)
- Yellow (59%)
- Blue (100%)



- Cyan (57%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6163, 0.2163, 0.2157 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 37.6163, 0.2163, 0.2157 by changing the saturation by 10% instead.


 37.6163, 0.2163,
0.2157


 37.6163, 0.2163,
0.2157


335.9711, 0.2639,
0.2705


 25.6850, 0.2050,
0.2030


 71.5196, 0.2332,
0.2349

 16.5882, 0.1910,
0.1874


 94.2605, 0.2397,
0.2424

 9.9413, 0.1733,
0.1678


 121.3733, 0.2452,
0.2488

 5.3601, 0.1505,
0.1430

153.2426, 0.2500,
0.2543

 2.4600, 0.1208,
0.1114

190.2526, 0.2541,
0.2591

 0.8565, 0.0825,
0.0721

232.7877, 0.2578,

 0.0000, 0.0000,

0.2634

0.0000

281.2324, 0.2610,
0.2671

■ 37.6163, 0.2163,
0.2157

■ 37.6163, 0.2163,
0.2157

■ 31.0052, 0.2009,
0.1920

■ 45.3580, 0.2330,
0.2390

■ 25.4560, 0.1875,
0.1686

■ 54.2850, 0.2504,
0.2612

■ 20.8965, 0.1767,
0.1466

■ 64.4525, 0.2679,
0.2818

■ 17.2367, 0.1689,
0.1266

■ 75.9110, 0.2849,
0.3006

■ 16.4179, 0.1672,
0.1219

■ 88.7076, 0.3012,
0.3176

99.9370, 0.3133,
0.3299

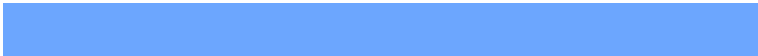
Harmonies

Analogous

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



37.6163, 0.1876, 0.2322



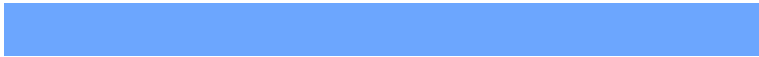
37.6163, 0.2163, 0.2157



37.6163, 0.2714, 0.2241

Triad

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



37.6163, 0.2163, 0.2157



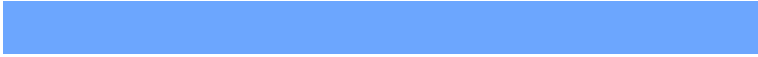
37.6163, 0.4580, 0.3527



37.6163, 0.2694, 0.4268

Complementary

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



37.6163, 0.2163, 0.2157



61.7024, 0.4286, 0.4173

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.



37.6163, 0.3401, 0.4657



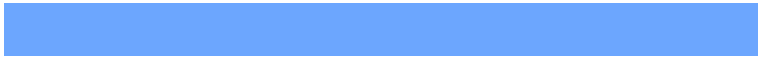
37.6163, 0.2163, 0.2157



37.6163, 0.4522, 0.4076

Square

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



37.6163, 0.2163, 0.2157



37.6163, 0.4176, 0.2990



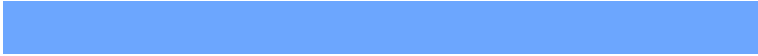
37.6163, 0.4073, 0.4525



37.6163, 0.2141, 0.3504

Rectangle

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



37.6163, 0.2163, 0.2157



37.6163, 0.3197, 0.2417



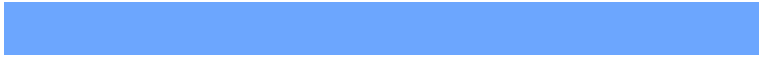
37.6163, 0.4073, 0.4525



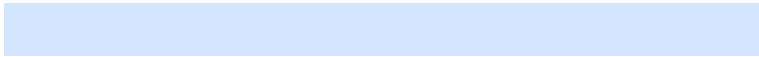
37.6163, 0.2922, 0.4457

Sweetspot

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



37.6176, 0.2163, 0.2157



77.1182, 0.2856, 0.3014



78.0606, 0.2658, 0.4024



15.9839, 0.2823, 0.2978



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.



37.6176, 0.2163, 0.2157



30.3296, 0.1986, 0.1883



22.0921, 0.2094, 0.1474



18.5600, 0.2979, 0.3143



8.9225, 0.1680, 0.1249



1.0749, 0.1742, 0.1472

Inverse Universe

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



34.5738, 0.4163, 0.2708



29.0241, 0.4502, 0.2642



90.4065, 0.3847, 0.4707



18.1064, 0.3232, 0.3196



11.6287, 0.5398, 0.2747



1.1531, 0.5095, 0.2580

Previews

White Background



This preview shows how the Yxy color 37.6163, 0.2163, 0.2157 looks on a white background.

Color Contrast Check

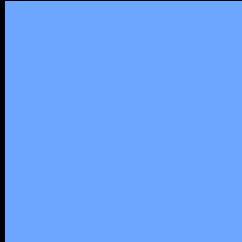
Large Text (above 18pt) WCAG AA × Fail

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 37.6163, 0.2163, 0.2157 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

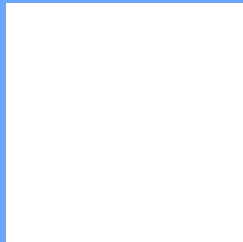
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6163, 0.2163, 0.2157

Background



This preview shows how black text looks on a background with the Yxy color 37.6163, 0.2163, 0.2157.



This preview shows how white text looks on a background with the Yxy color 37.6163, 0.2163, 0.2157.

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

37.6163, 0.2163, 0.2157

Protanopia

37.3784, 0.2298, 0.2165

Deuteranopia

37.5582, 0.2206, 0.2144



Tritanopia

37.5300, 0.2371, 0.3056

Trichromacy



Original Color

37.6163, 0.2163, 0.2157

Protanomaly

37.4445, 0.2248, 0.2168

Deuteranomaly

37.6434, 0.2188, 0.2152

Tritanomaly

37.4537, 0.2287, 0.2692

Monochromacy



Original Color

37.6163, 0.2163, 0.2157

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

35.3112, 0.2681, 0.2828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6163, 0.2163, 0.2157 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(108, 166, 254)` looks like.

```
.text, #text, p{  
    color:rgb(108, 166, 254)  
}
```

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(108, 166, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 166, 254) }
```

Border

The CSS property to change the border of an element to Yxy 37.6163, 0.2163, 0.2157 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(108, 166, 254) }
```

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

```
.border{ border-color:rgb(108, 166, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 166, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 166, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 166, 254);  
box-shadow:4px 4px 4px 4px rgb(108, 166,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6163, 0.2163, 0.2157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 166, 254) }
```

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

```
.background{ background-color: rgb(108,  
166, 254) }
```

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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