

Converting Colors

$Yxy(37.5405, 0.2186, 0.2255)$

Have a look what the booklet for
Yxy(37.5405, 0.2186, 0.2255)
contains.

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Color

Yxy(37.6623, 0.2188, 0.2260)

Conversions

Conversions Part 1

Format	Color
Hex	69A8F6
RGB	105, 168, 246
RGB Percent	41%, 66%, 96%
CMY	0.5881, 0.3412, 0.0354
CMYK	0.57, 0.32, 0.00, 0.04
HSL	213°, 89%, 69%
HSV	213°, 57%, 96%
XYZ	36.4624, 37.6623, 92.5226
YIQ	158.0550, -62.5860, 10.9020

Conversions

Conversions Part 2

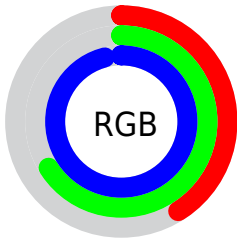
Format	Color
R _Y B	105, 149, 246
Decimal	6924534
CIE Lab	67.77, 2.22, -45.00
CIE LCh	68, 45.057, 272.829
Yxy	37.6623, 0.2188, 0.2260
Android (android.graphics.Color)	4285114614 (0xFF69A8F6)
YUV	158.0550, 43.3569, -46.5292
Hunter-Lab	61.3696, -1.3420, -46.4286

Details

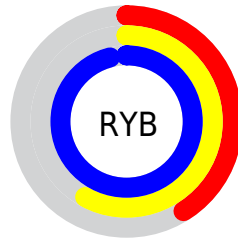
The Yxy color **37.6623, 0.2188, 0.2260** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **54.4808, 0.4328, 0.4102**, and the grayscale version is **34.0424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.9947, 0.2578, 0.2924**, and **16.5050, 0.1937, 0.1987** is the 20% darker color. If you saturate the color by 10%, you get **31.6182, 0.2041, 0.2042**, and if you desaturate by 10%, it is **44.6656, 0.2349, 0.2472**.

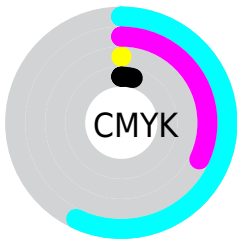
Distribution



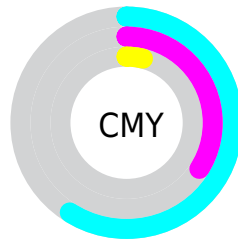
- Red (41%)
- Green (66%)
- Blue (96%)



- Red (41%)
- Yellow (58%)
- Blue (96%)



- Cyan (57%)
- Magenta (32%)
- Yellow (0%)
- Black (4%)




- Cyan (59%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6623, 0.2188, 0.2260 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 37.6623, 0.2188, 0.2260 by changing the saturation by 10% instead.


 37.6623, 0.2188,
0.2260


 37.6623, 0.2188,
0.2260

336.1691, 0.2652,
0.2766


 25.7207, 0.2077,
0.2140


 71.5902, 0.2353,
0.2440

 16.6148, 0.1939,
0.1991


 94.3454, 0.2417,
0.2508

 9.9602, 0.1763,
0.1803


 121.4738, 0.2471,
0.2567

 5.3726, 0.1535,
0.1559

153.3599, 0.2517,
0.2618

 2.4675, 0.1234,
0.1240

190.3881, 0.2557,
0.2662

 0.8603, 0.0840,
0.0828

232.9427, 0.2593,

 0.0000, 0.0000,

0.2701

0.0000

281.4083, 0.2624,
0.2735

■ 37.6623, 0.2188,
0.2260

■ 37.6623, 0.2188,
0.2260

■ 31.6182, 0.2041,
0.2042

■ 44.6656, 0.2349,
0.2472

■ 26.4750, 0.1913,
0.1825

■ 52.6732, 0.2516,
0.2674

■ 22.1720, 0.1810,
0.1617

■ 61.7316, 0.2686,
0.2862

■ 18.6329, 0.1733,
0.1424

■ 71.8829, 0.2853,
0.3033

■ 17.7826, 0.1715,
0.1374

■ 83.1665, 0.3014,
0.3188

95.6196, 0.3168,
0.3326

99.4328, 0.3179,
0.3376

Harmonies

Analogous

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



37.6623, 0.1960, 0.2459



37.6623, 0.2188, 0.2260



37.6623, 0.2662, 0.2301

Triad

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



37.6623, 0.2188, 0.2260



37.6623, 0.4411, 0.3441



37.6623, 0.2836, 0.4247

Complementary

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



37.6623, 0.2188, 0.2260



54.4808, 0.4328, 0.4102

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.



37.6623, 0.3489, 0.4530



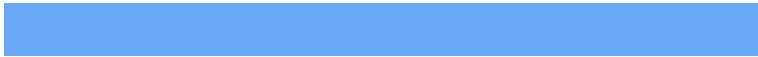
37.6623, 0.2188, 0.2260



37.6623, 0.4431, 0.3948

Square

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



37.6623, 0.2188, 0.2260



37.6623, 0.3987, 0.2949



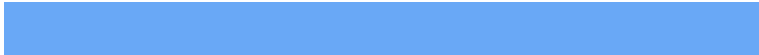
37.6623, 0.4077, 0.4370



37.6623, 0.2295, 0.3600

Rectangle

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



37.6623, 0.2188, 0.2260



37.6623, 0.3088, 0.2444



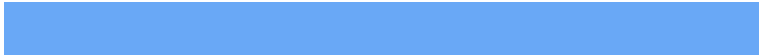
37.6623, 0.4077, 0.4370



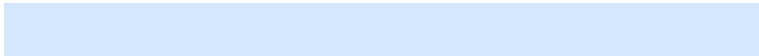
37.6623, 0.3050, 0.4393

Sweetspot

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



37.6636, 0.2188, 0.2260



78.3267, 0.2858, 0.3038



72.3067, 0.2692, 0.4118



16.2682, 0.2824, 0.3005



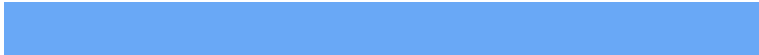
0.0000, 0.0000, 0.0000



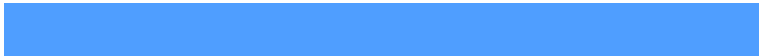
21.4041, 0.3127, 0.3290

Same Dimension

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



37.6636, 0.2188, 0.2260



33.2219, 0.2016, 0.2002



20.2110, 0.2054, 0.1463



17.1456, 0.2980, 0.3156



9.7635, 0.1723, 0.1404



1.0600, 0.1790, 0.1644

Inverse Universe

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



32.5257, 0.4064, 0.2637



29.3161, 0.4375, 0.2556



85.2616, 0.3896, 0.4674



16.6056, 0.3223, 0.3185



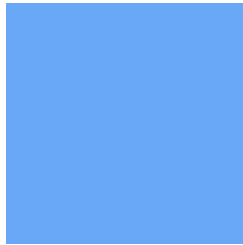
11.0850, 0.5186, 0.2630



0.9946, 0.4876, 0.2460

Previews

White Background



This preview shows how the Yxy color 37.6623, 0.2188, 0.2260 looks on a white background.

Color Contrast Check

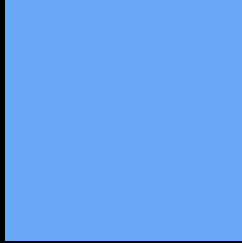
Large Text (above 18pt) WCAG AA × Fail

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 37.6623, 0.2188, 0.2260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

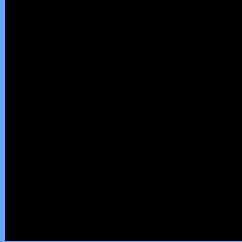
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

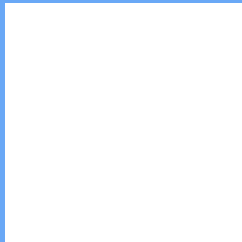
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.6623, 0.2188, 0.2260

Background



This preview shows how black text looks on a background with the Yxy color 37.6623, 0.2188, 0.2260.



This preview shows how white text looks on a background with the Yxy color 37.6623, 0.2188, 0.2260.

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

37.6623, 0.2188, 0.2260

Protanopia

37.5948, 0.2377, 0.2275

Deuteranopia

37.7019, 0.2280, 0.2223



Tritanopia

37.5759, 0.2375, 0.3056

Trichromacy



Original Color

37.6623, 0.2188, 0.2260

Protanomaly

37.4576, 0.2299, 0.2263

Deuteranomaly

37.4772, 0.2239, 0.2225

Tritanomaly

37.3009, 0.2302, 0.2731

Monochromacy



Original Color

37.6623, 0.2188, 0.2260

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.0473, 0.2701, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6623, 0.2188, 0.2260 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(105, 168, 246)` looks like.

```
.text, #text, p{  
    color:rgb(105, 168, 246)  
}
```

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(105, 168, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 168, 246) }
```

Border

The CSS property to change the border of an element to Yxy 37.6623, 0.2188, 0.2260 is called "border". The border property can be set on classes, ids or directly on the HTML element.

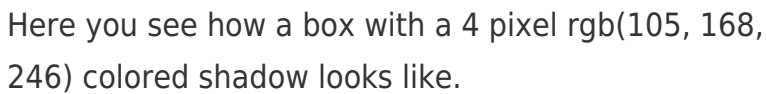
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 168, 246) }
```

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

```
.border{ border-color:rgb(105, 168, 246) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 168, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 168, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 168, 246);  
box-shadow:4px 4px 4px 4px rgb(105, 168,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6623, 0.2188, 0.2260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 168, 246) }
```

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

```
.background{ background-color: rgb(105,  
168, 246) }
```

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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