

Converting Colors

$Y_{xy}(30.7781, 0.2090, 0.1992)$

Have a look what the booklet for
Yxy(30.7781, 0.2090, 0.1992)
contains.

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Color

Yxy(30.6355, 0.2088, 0.1986)

Conversions

Conversions Part 1

Format	Color
Hex	6095F6
RGB	96, 149, 246
RGB Percent	38%, 58%, 96%
CMY	0.6234, 0.4157, 0.0352
CMYK	0.61, 0.39, 0.00, 0.04
HSL	219°, 89%, 67%
HSV	219°, 61%, 96%
XYZ	32.2089, 30.6355, 91.4129
YIQ	144.2110, -62.7250, 18.9310

Conversions

Conversions Part 2

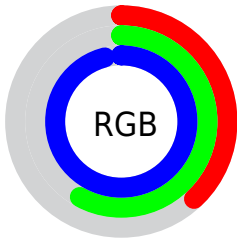
Format	Color
R _Y B	96, 135, 246
Decimal	6329846
CIE Lab	62.20, 11.53, -53.85
CIE LCh	62, 55.069, 282.083
Yxy	30.6355, 0.2088, 0.1986
Android (android.graphics.Color)	4284519926 (0xFF6095F6)
YUV	144.2110, 50.1820, -42.2810
Hunter-Lab	55.3493, 7.0115, -59.1766

Details

The Yxy color **30.6355, 0.2088, 0.1986** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **58.6004, 0.4319, 0.4275**, and the grayscale version is **27.7954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1000, 0.2500, 0.2678**, and **12.6430, 0.1802, 0.1658** is the 20% darker color. If you saturate the color by 10%, you get **24.8080, 0.1935, 0.1735**, and if you desaturate by 10%, it is **37.5704, 0.2257, 0.2237**.

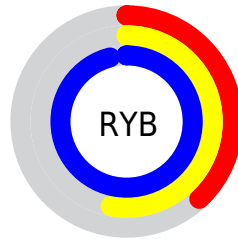
Distribution



Red (38%)

Green (58%)

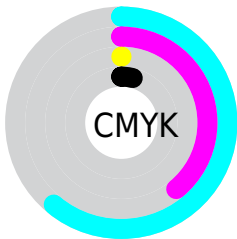
Blue (96%)



Red (38%)

Yellow (53%)

Blue (96%)

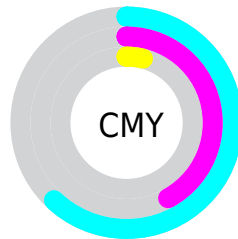


Cyan (61%)

Magenta (39%)

Yellow (0%)

Black (4%)



Cyan (62%)


Magenta (42%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6355, 0.2088, 0.1986 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 30.6355, 0.2088, 0.1986 by changing the saturation by 10% instead.


 30.6355, 0.2088,
0.1986


 30.6355, 0.2088,
0.1986


304.8555, 0.2615,
0.2624


 20.3215, 0.1960,
0.1838


 60.6657, 0.2278,
0.2211


 12.6289, 0.1801,
0.1656


 81.1507, 0.2350,
0.2297

 7.1735, 0.1599,
0.1430


 105.7948, 0.2411,
0.2372

 3.5709, 0.1338,
0.1149

 134.9824, 0.2463,
0.2436

 1.4365, 0.1003,
0.0804

169.0979, 0.2509,
0.2492

 0.2434, 0.0558,
0.0265

208.5256, 0.2548,

 0.0000, 0.0000,

0.2541

0.0000

253.6500, 0.2583,
0.2585

■ 30.6355, 0.2088,
0.1986

■ 30.6355, 0.2088,
0.1986

■ 24.8080, 0.1935,
0.1735

■ 37.5704, 0.2257,
0.2237

■ 20.0168, 0.1805,
0.1494

■ 45.6710, 0.2435,
0.2480


■ 16.1848, 0.1705,
0.1274

■ 54.9947, 0.2614,
0.2708

■ 13.4511, 0.1639,
0.1101

■ 65.5937, 0.2789,
0.2917

■ 77.5170, 0.2956,
0.3106

 90.8109, 0.3113,
0.3275

 99.4345, 0.3179,
0.3376

Harmonies

Analogous

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



30.6355, 0.1721, 0.2114



30.6355, 0.2088, 0.1986



30.6355, 0.2757, 0.2124

Triad

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



30.6355, 0.2088, 0.1986



30.6355, 0.4860, 0.3627



30.6355, 0.2489, 0.4347

Complementary

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



30.6355, 0.2088, 0.1986



58.6004, 0.4319, 0.4275

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.



30.6355, 0.3291, 0.4903



30.6355, 0.2088, 0.1986



30.6355, 0.4686, 0.4255

Square

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



30.6355, 0.2088, 0.1986



30.6355, 0.4472, 0.3016



30.6355, 0.4093, 0.4780



30.6355, 0.1907, 0.3382

Rectangle

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



30.6355, 0.2088, 0.1986



30.6355, 0.3340, 0.2345



30.6355, 0.4093, 0.4780



30.6355, 0.2742, 0.4605

Sweetspot

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



30.6365, 0.2088, 0.1986



74.8078, 0.2839, 0.2975



72.1693, 0.2620, 0.4007



15.2368, 0.2789, 0.2918



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.



30.6365, 0.2088, 0.1986



25.6930, 0.1904, 0.1681



18.7408, 0.2059, 0.1377



16.8841, 0.2980, 0.3133



7.4174, 0.1647, 0.1130



0.8380, 0.1716, 0.1379

Inverse Universe

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



30.1360, 0.4349, 0.2752



27.2355, 0.4749, 0.2711



82.9345, 0.3841, 0.4795



16.5792, 0.3238, 0.3207



10.8482, 0.5566, 0.2840



0.9722, 0.5220, 0.2649

Previews

White Background



This preview shows how the Yxy color 30.6355, 0.2088, 0.1986 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 30.6355, 0.2088, 0.1986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

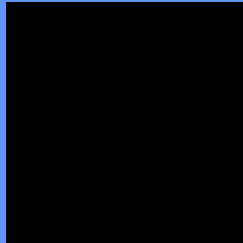
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

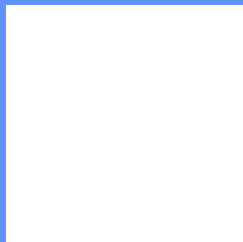
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6355, 0.2088, 0.1986

Background



This preview shows how black text looks on a background with the Yxy color 30.6355, 0.2088, 0.1986.



This preview shows how white text looks on a background with the Yxy color 30.6355, 0.2088, 0.1986.

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

30.6355, 0.2088, 0.1986

Protanopia

30.4689, 0.2163, 0.1987

Deuteranopia

30.5904, 0.2060, 0.1991



Tritanopia

30.7820, 0.2318, 0.3067

Trichromacy



Original Color

30.6355, 0.2088, 0.1986

Protanomaly

30.5242, 0.2135, 0.1983

Deuteranomaly

30.7418, 0.2073, 0.1994

Tritanomaly

30.5564, 0.2220, 0.2613

Monochromacy



Original Color

30.6355, 0.2088, 0.1986

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

28.4060, 0.2644, 0.2744

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6355, 0.2088, 0.1986 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(96, 149, 246) looks like.

```
.text, #text, p{  
    color:rgb(96, 149, 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(96, 149, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 149, 246) }
```

Border

The CSS property to change the border of an element to Yxy 30.6355, 0.2088, 0.1986 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(96, 149, 246) }
```

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

```
.border{ border-color:rgb(96, 149, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 149, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 149, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 149, 246);  
box-shadow:4px 4px 4px 4px rgb(96, 149,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6355, 0.2088, 0.1986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 149, 246) }
```

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

```
.background{ background-color: rgb(96, 149,  
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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