

Converting Colors

$Y_{xy}(31.0224, 0.2165, 0.1995)$

Have a look what the booklet for
Yxy(31.0224, 0.2165, 0.1995)
contains.

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Color

Yxy(30.9048, 0.2166, 0.1993)

Conversions

Conversions Part 1

Format	Color
Hex	7093F5
RGB	112, 147, 245
RGB Percent	44%, 58%, 96%
CMY	0.5611, 0.4234, 0.0392
CMYK	0.54, 0.40, 0.00, 0.04
HSL	224°, 87%, 70%
HSV	224°, 54%, 96%
XYZ	33.5875, 30.9048, 90.5745
YIQ	147.7070, -52.3180, 23.0580

Conversions

Conversions Part 2

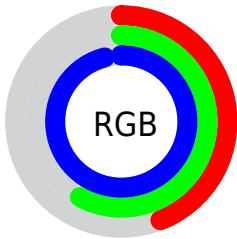
Format	Color
R _Y B	112, 140, 245
Decimal	7377909
CIE Lab	62.43, 15.45, -52.88
CIE LCh	62, 55.086, 286.284
Yxy	30.9048, 0.2166, 0.1993
Android (android.graphics.Color)	4285567989 (0xFF7093F5)
YUV	147.7070, 47.9654, -31.3150
Hunter-Lab	55.5921, 10.5594, -57.6849

Details

The Yxy color **30.9048, 0.2166, 0.1993** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.6142, 0.4102, 0.4297**, and the grayscale version is **29.2933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6512, 0.2578, 0.2667**, and **12.7846, 0.1896, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **24.3356, 0.1990, 0.1711**, and if you desaturate by 10%, it is **38.7925, 0.2353, 0.2272**.

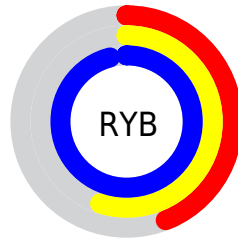
Distribution



Red (44%)

Green (58%)

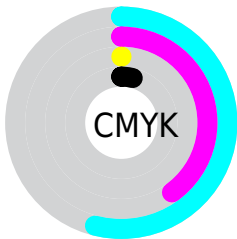
Blue (96%)



Red (44%)

Yellow (55%)

Blue (96%)

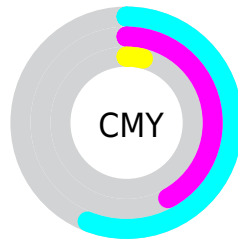


Cyan (54%)

Magenta (40%)

Yellow (0%)

Black (4%)



Cyan (56%)

Magenta (42%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9048, 0.2166, 0.1993 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 30.9048, 0.2166, 0.1993 by changing the saturation by 10% instead.

 30.9048, 0.2166,
0.1993


 30.9048, 0.2166,
0.1993


306.0995, 0.2657,
0.2624


 20.5264, 0.2046,
0.1847


 61.0902, 0.2344,
0.2215

 12.7782, 0.1895,
0.1667


 81.6659, 0.2411,
0.2301

 7.2760, 0.1701,
0.1445


 106.4095, 0.2468,
0.2374

 3.6353, 0.1449,
0.1167

135.7053, 0.2516,
0.2438

 1.4717, 0.1118,
0.0824

169.9379, 0.2559,
0.2493

 0.2687, 0.0691,
0.0293

209.4915, 0.2595,

 0.0000, 0.0000,

0.2542

0.0000

254.7506, 0.2628,
0.2585

■ 30.9048, 0.2166,
0.1993

■ 30.9048, 0.2166,
0.1993

■ 24.3356, 0.1990,
0.1711

■ 38.7925, 0.2353,
0.2272

■ 19.0045, 0.1834,
0.1440

■ 48.0660, 0.2542,
0.2539

■ 14.8261, 0.1708,
0.1194

■ 58.7917, 0.2725,
0.2786

■ 11.7008, 0.1618,
0.0987

■ 71.0303, 0.2900,
0.3011

■ 10.3310, 0.1581,
0.0890

■ 84.8391, 0.3061,
0.3211

99.3721, 0.3185,
0.3386

Harmonies

Analogous

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



30.9048, 0.1757, 0.2081



30.9048, 0.2166, 0.1993



30.9048, 0.2874, 0.2165

Triad

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



30.9048, 0.2166, 0.1993



30.9048, 0.4864, 0.3715



30.9048, 0.2392, 0.4220

Complementary

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



30.9048, 0.2166, 0.1993



66.6142, 0.4102, 0.4297

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.



30.9048, 0.3174, 0.4863



30.9048, 0.2166, 0.1993



30.9048, 0.4620, 0.4338

Square

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



30.9048, 0.2166, 0.1993



30.9048, 0.4556, 0.3099



30.9048, 0.3987, 0.4826



30.9048, 0.1854, 0.3250

Rectangle

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



30.9048, 0.2166, 0.1993



30.9048, 0.3468, 0.2404



30.9048, 0.3987, 0.4826



30.9048, 0.2635, 0.4501

Sweetspot

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



30.9058, 0.2166, 0.1993



75.3773, 0.2871, 0.2974



73.3678, 0.2591, 0.3736



15.5252, 0.2835, 0.2929



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.



30.9058, 0.2166, 0.1993



26.1257, 0.1976, 0.1688



23.9979, 0.2288, 0.1634



16.6376, 0.2979, 0.3111



5.7575, 0.1588, 0.0916



0.6673, 0.1653, 0.1152

Inverse Universe

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



33.0877, 0.4302, 0.2922



30.1393, 0.4690, 0.2881



80.7554, 0.3688, 0.4706



16.5543, 0.3252, 0.3228



10.6806, 0.5887, 0.3017



0.9550, 0.5535, 0.2823

Previews

White Background



This preview shows how the Yxy color 30.9048, 0.2166, 0.1993 looks on a white background.

Color Contrast Check

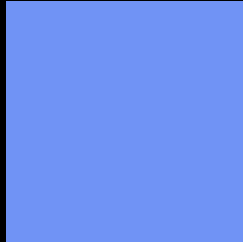
Large Text (above 18pt) WCAG AA × Fail

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 30.9048, 0.2166, 0.1993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

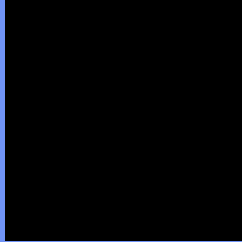
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9048, 0.2166, 0.1993

Background



This preview shows how black text looks on a background with the Yxy color 30.9048, 0.2166, 0.1993.



This preview shows how white text looks on a background with the Yxy color 30.9048, 0.2166, 0.1993.

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

30.9048, 0.2166, 0.1993

Protanopia

30.8395, 0.2161, 0.1991

Deuteranopia

30.9920, 0.2088, 0.2028



Tritanopia

30.9620, 0.2440, 0.3072

Trichromacy



Original Color

30.9048, 0.2166, 0.1993

Protanomaly

30.8395, 0.2161, 0.1991

Deuteranomaly

31.0537, 0.2118, 0.2024

Tritanomaly

30.7709, 0.2329, 0.2625

Monochromacy



Original Color

30.9048, 0.2166, 0.1993

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7496, 0.2700, 0.2758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9048, 0.2166, 0.1993 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(112, 147, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 147, 245)  
}
```

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(112, 147, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 147, 245) }
```

Border

The CSS property to change the border of an element to Yxy 30.9048, 0.2166, 0.1993 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(112, 147, 245) }
```

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

```
.border{ border-color:rgb(112, 147, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 147, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 147, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 147, 245);  
box-shadow:4px 4px 4px 4px rgb(112, 147,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9048, 0.2166, 0.1993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 147, 245) }
```

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

```
.background{ background-color: rgb(112,  
147, 245) }
```

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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