

Converting Colors

$Y_{xy}(29.8018, 0.2198, 0.1977)$

Have a look what the booklet for
Yxy(29.8018, 0.2198, 0.1977)
contains.

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Color

Yxy(29.8376, 0.2197, 0.1976)

Conversions

Conversions Part 1

Format	Color
Hex	758FF2
RGB	117, 143, 242
RGB Percent	46%, 56%, 95%
CMY	0.5414, 0.4391, 0.0511
CMYK	0.52, 0.41, 0.00, 0.05
HSL	227°, 83%, 70%
HSV	227°, 52%, 95%
XYZ	33.1747, 29.8376, 87.9877
YIQ	146.5120, -47.2750, 25.2770

Conversions

Conversions Part 2

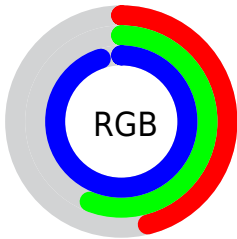
Format	Color
R _Y B	117, 139, 242
Decimal	7704562
CIE Lab	61.51, 17.93, -52.64
CIE LCh	62, 55.612, 288.808
Yxy	29.8376, 0.2197, 0.1976
Android (android.graphics.Color)	4285894642 (0xFF758FF2)
YUV	146.5120, 47.0756, -25.8820
Hunter-Lab	54.6238, 12.8168, -57.2673

Details

The Yxy color **29.8376, 0.2197, 0.1976** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.2047, 0.4013, 0.4317**, and the grayscale version is **28.7795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8138, 0.2595, 0.2611**, and **12.1437, 0.1928, 0.1644** is the 20% darker color. If you saturate the color by 10%, you get **23.1067, 0.2011, 0.1677**, and if you desaturate by 10%, it is **37.9848, 0.2392, 0.2272**.

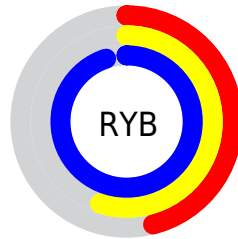
Distribution



Red (46%)

Green (56%)

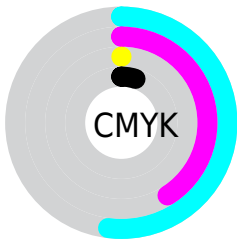
Blue (95%)



Red (46%)

Yellow (55%)

Blue (95%)

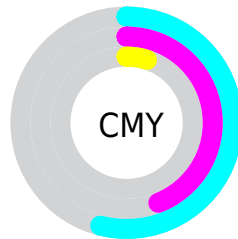


Cyan (52%)

Magenta (41%)

Yellow (0%)

Black (5%)



Cyan (54%)


Magenta (44%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8376, 0.2197, 0.1976 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 29.8376, 0.2197, 0.1976 by changing the saturation by 10% instead.


 29.8376, 0.2197,
0.1976


 29.8376, 0.2197,
0.1976


301.1467, 0.2676,
0.2616


 19.7154, 0.2078,
0.1827


 59.4053, 0.2372,
0.2201

 12.1883, 0.1928,
0.1645


 79.6195, 0.2437,
0.2288

 6.8721, 0.1735,
0.1419


 103.9664, 0.2493,
0.2363

 3.3822, 0.1480,
0.1136

132.8306, 0.2540,
0.2427

 1.3344, 0.1144,
0.0789

166.5963, 0.2581,
0.2484

 0.1676, 0.0702,
0.0197

205.6480, 0.2617,

 0.0000, 0.0000,

0.2533

0.0000

250.3700, 0.2649,
0.2577

■ 29.8376, 0.2197,
0.1976

■ 29.8376, 0.2197,
0.1976

■ 23.1067, 0.2011,
0.1677

■ 37.9848, 0.2392,
0.2272

■ 17.7052, 0.1843,
0.1390

■ 47.6221, 0.2585,
0.2554

■ 13.5406, 0.1706,
0.1134


■ 58.8214, 0.2770,
0.2814

■ 10.5061, 0.1606,
0.0923

■ 71.6493, 0.2944,
0.3049

■ 8.7315, 0.1553,
0.0789

■ 86.1682, 0.3102,
0.3258

 99.1888, 0.3203,
0.3415

Harmonies

Analogous

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



29.8376, 0.1757, 0.2040



29.8376, 0.2197, 0.1976



29.8376, 0.2940, 0.2171

Triad

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



29.8376, 0.2197, 0.1976



29.8376, 0.4898, 0.3772



29.8376, 0.2317, 0.4162

Complementary

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



29.8376, 0.2197, 0.1976



69.2047, 0.4013, 0.4317

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.



29.8376, 0.3099, 0.4872



29.8376, 0.2197, 0.1976



29.8376, 0.4604, 0.4403

Square

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



29.8376, 0.2197, 0.1976



29.8376, 0.4635, 0.3144



29.8376, 0.3933, 0.4883



29.8376, 0.1800, 0.3168

Rectangle

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



29.8376, 0.2197, 0.1976



29.8376, 0.3554, 0.2425



29.8376, 0.3933, 0.4883



29.8376, 0.2558, 0.4463

Sweetspot

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



29.8386, 0.2197, 0.1976



74.1681, 0.2870, 0.2950



72.1616, 0.2580, 0.3628



15.2399, 0.2834, 0.2901



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.



29.8386, 0.2197, 0.1976



25.6908, 0.2002, 0.1662



25.8276, 0.2386, 0.1741



15.7630, 0.2980, 0.3097



4.8498, 0.1559, 0.0812



0.5423, 0.1623, 0.1043

Inverse Universe

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



33.5634, 0.4300, 0.3012



31.3996, 0.4696, 0.2978



77.9664, 0.3622, 0.4663



15.8128, 0.3260, 0.3241



10.2829, 0.6051, 0.3107



0.8695, 0.5695, 0.2911

Previews

White Background



This preview shows how the Yxy color 29.8376, 0.2197, 0.1976 looks on a white background.

Color Contrast Check

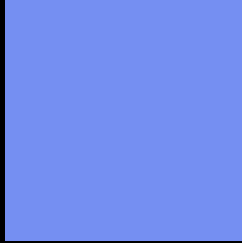
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8376, 0.2197, 0.1976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

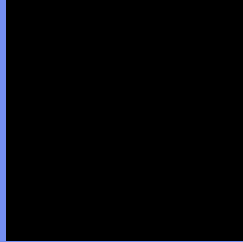
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8376, 0.2197, 0.1976

Background



This preview shows how black text looks on a background with the Yxy color 29.8376, 0.2197, 0.1976.



This preview shows how white text looks on a background with the Yxy color 29.8376, 0.2197, 0.1976.

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

29.8376, 0.2197, 0.1976

Protanopia

29.9706, 0.2144, 0.1968

Deuteranopia

30.0699, 0.2085, 0.2026



Tritanopia

29.7737, 0.2495, 0.3070

Trichromacy



Original Color

29.8376, 0.2197, 0.1976

Protanomaly

29.7971, 0.2161, 0.1969

Deuteranomaly

29.9276, 0.2121, 0.2011

Tritanomaly

29.6385, 0.2370, 0.2606

Monochromacy



Original Color

29.8376, 0.2197, 0.1976

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.1694, 0.2714, 0.2741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8376, 0.2197, 0.1976 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(117, 143, 242)` looks like.

```
.text, #text, p{  
    color:rgb(117, 143, 242)  
}
```

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(117, 143, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 143, 242) }
```

Border

The CSS property to change the border of an element to Yxy 29.8376, 0.2197, 0.1976 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(117, 143, 242) }
```

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

```
.border{ border-color:rgb(117, 143, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 143, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 143, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 143, 242);  
box-shadow:4px 4px 4px 4px rgb(117, 143,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8376, 0.2197, 0.1976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 143, 242) }
```

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

```
.background{ background-color: rgb(117,  
143, 242) }
```

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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