

Converting Colors

$Y_{xy}(30.0763, 0.2127, 0.1922)$

Have a look what the booklet for
Yxy(30.0763, 0.2127, 0.1922)
contains.

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Color

Yxy(29.9750, 0.2129, 0.1921)

Conversions

Conversions Part 1

Format	Color
Hex	6D90F8
RGB	109, 144, 248
RGB Percent	43%, 56%, 97%
CMY	0.5726, 0.4353, 0.0274
CMYK	0.56, 0.42, 0.00, 0.03
HSL	225°, 91%, 70%
HSV	225°, 56%, 97%
XYZ	33.2206, 29.9750, 92.8429
YIQ	145.3910, -54.2440, 24.9240

Conversions

Conversions Part 2

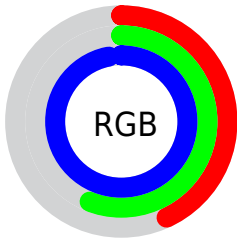
Format	Color
R _Y B	109, 137, 248
Decimal	7180536
CIE Lab	61.63, 17.58, -55.80
CIE LCh	62, 58.507, 287.486
Yxy	29.9750, 0.2129, 0.1921
Android (android.graphics.Color)	4285370616 (0xFF6D90F8)
YUV	145.3910, 50.5862, -31.9149
Hunter-Lab	54.7494, 12.4979, -62.2181

Details

The Yxy color **29.9750, 0.2129, 0.1921** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **68.6345, 0.4126, 0.4339**, and the grayscale version is **28.2883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5875, 0.2560, 0.2617**, and **12.2384, 0.1849, 0.1580** is the 20% darker color. If you saturate the color by 10%, you get **23.4535, 0.1954, 0.1636**, and if you desaturate by 10%, it is **37.8654, 0.2316, 0.2206**.

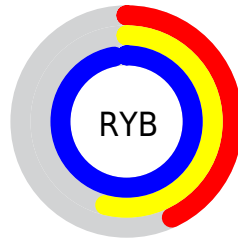
Distribution



Red (43%)

Green (56%)

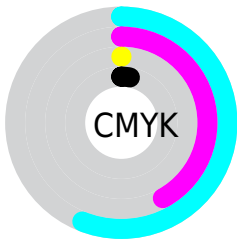
Blue (97%)



Red (43%)

Yellow (54%)

Blue (97%)

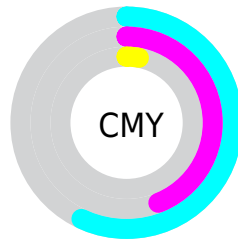


Cyan (56%)

Magenta (42%)

Yellow (0%)

Black (3%)



Cyan (57%)


Magenta (44%)

Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9750, 0.2129, 0.1921 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 29.9750, 0.2129, 0.1921 by changing the saturation by 10% instead.


 29.9750, 0.2129,
0.1921


 29.9750, 0.2129,
0.1921


301.7879, 0.2639,
0.2584


 19.8196, 0.2004,
0.1769

 59.6226, 0.2314,
0.2153

 12.2640, 0.1848,
0.1584


 79.8837, 0.2383,
0.2243

 6.9237, 0.1649,
0.1356


 104.2821, 0.2442,
0.2320

 3.4144, 0.1391,
0.1075

133.2022, 0.2493,
0.2387

 1.3517, 0.1058,
0.0736

167.0284, 0.2537,
0.2445

 0.1807, 0.0633,
0.0190

206.1452, 0.2575,

 0.0000, 0.0000,

0.2497

0.0000

250.9369, 0.2609,
0.2543

■ 29.9750, 0.2129,
0.1921

■ 29.9750, 0.2129,
0.1921

■ 23.4535, 0.1954,
0.1636

■ 37.8654, 0.2316,
0.2206

■ 18.2144, 0.1802,
0.1367

■ 47.1977, 0.2507,
0.2480

■ 14.1651, 0.1681,
0.1127

■ 58.0428, 0.2693,
0.2736

■ 11.1962, 0.1598,
0.0930

■ 70.4661, 0.2870,
0.2968

■ 10.2763, 0.1574,
0.0865

■ 84.5288, 0.3034,
0.3176

99.5574, 0.3168,
0.3357

Harmonies

Analogous

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



29.9750, 0.1690, 0.1997



29.9750, 0.2129, 0.1921



29.9750, 0.2888, 0.2112

Triad

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



29.9750, 0.2129, 0.1921



29.9750, 0.4981, 0.3748



29.9750, 0.2307, 0.4255

Complementary

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



29.9750, 0.2129, 0.1921



68.6345, 0.4126, 0.4339

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.



29.9750, 0.3127, 0.4977



29.9750, 0.2129, 0.1921



29.9750, 0.4686, 0.4410

Square

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



29.9750, 0.2129, 0.1921



29.9750, 0.4684, 0.3102



29.9750, 0.3994, 0.4940



29.9750, 0.1759, 0.3198

Rectangle

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



29.9750, 0.2129, 0.1921



29.9750, 0.3528, 0.2369



29.9750, 0.3994, 0.4940



29.9750, 0.2560, 0.4569

Sweetspot

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



29.9760, 0.2129, 0.1921



73.7126, 0.2853, 0.2947



75.0854, 0.2580, 0.3753



15.1852, 0.2818, 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.



29.9760, 0.2129, 0.1921



24.3422, 0.1937, 0.1607



23.4090, 0.2254, 0.1577



17.3536, 0.2979, 0.3107



5.7382, 0.1581, 0.0890



0.6927, 0.1642, 0.1110

Inverse Universe

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



32.9030, 0.4384, 0.2931



29.1615, 0.4795, 0.2897



82.7722, 0.3701, 0.4748



17.2970, 0.3254, 0.3230



10.9902, 0.5927, 0.3039



1.0342, 0.5595, 0.2856

Previews

White Background



This preview shows how the Yxy color 29.9750, 0.2129, 0.1921 looks on a white background.

Color Contrast Check

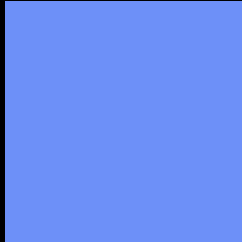
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9750, 0.2129, 0.1921 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

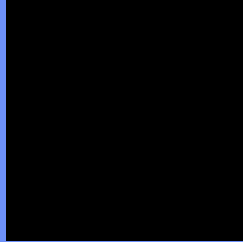
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9750, 0.2129, 0.1921

Background



This preview shows how black text looks on a background with the Yxy color 29.9750, 0.2129, 0.1921.



This preview shows how white text looks on a background with the Yxy color 29.9750, 0.2129, 0.1921.

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

29.9750, 0.2129, 0.1921

Protanopia

30.0936, 0.2107, 0.1919

Deuteranopia

30.0041, 0.2025, 0.1959



Tritanopia

29.8642, 0.2406, 0.3068

Trichromacy



Original Color

29.9750, 0.2129, 0.1921

Protanomaly

30.1545, 0.2112, 0.1920

Deuteranomaly

29.8581, 0.2060, 0.1944

Tritanomaly

29.5055, 0.2291, 0.2571

Monochromacy



Original Color

29.9750, 0.2129, 0.1921

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.5337, 0.2677, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9750, 0.2129, 0.1921 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(109, 144, 248)` looks like.

```
.text, #text, p{  
    color:rgb(109, 144, 248)  
}
```

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(109, 144, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 144, 248) }
```

Border

The CSS property to change the border of an element to Yxy 29.9750, 0.2129, 0.1921 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(109, 144, 248) }
```

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

```
.border{ border-color:rgb(109, 144, 248) }
```

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

Here you see how a box with a 4 pixel rgb(109, 144, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 144, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 144, 248);  
box-shadow:4px 4px 4px 4px rgb(109, 144,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9750, 0.2129, 0.1921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 144, 248) }
```

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

```
.background{ background-color: rgb(109,  
144, 248) }
```

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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