

Converting Colors

$Y_{xy}(34.6039, 0.1946, 0.1515)$

Have a look what the booklet for
Yxy(34.6039, 0.1946, 0.1515)
contains.

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Color

Yxy(30.6772, 0.2121, 0.1868)

Conversions

Conversions Part 1

Format	Color
Hex	7190FF
RGB	113, 144, 255
RGB Percent	44%, 56%, 100%
CMY	0.5570, 0.4353, 0.0000
CMYK	0.56, 0.44, 0.00, 0.00
HSL	227°, 100%, 72%
HSV	227°, 56%, 100%
XYZ	34.8321, 30.6772, 98.7156
YIQ	147.3850, -54.1070, 27.9490

Conversions

Conversions Part 2

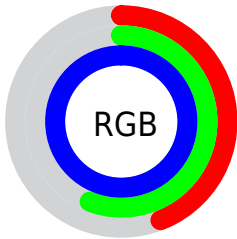
Format	Color
RYB	113, 138, 255
Decimal	7442687
CIELab	62.23, 20.59, -58.68
CIELCh	62, 62.192, 289.336
Yxy	30.6772, 0.2121, 0.1868
Android (android.graphics.Color)	4285632767 (0xFF7190FF)
YUV	147.3850, 53.0542, -30.1556
Hunter-Lab	55.3870, 15.3288, -66.9009

Details

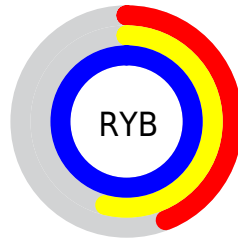
The Yxy color **30.6772, 0.2121, 0.1868** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **75.7369, 0.4094, 0.4376**, and the grayscale version is **29.1342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0367, 0.2584, 0.2621**, and **12.6405, 0.1841, 0.1523** is the 20% darker color. If you saturate the color by 10%, you get **23.7038, 0.1942, 0.1574**, and if you desaturate by 10%, it is **39.1893, 0.2313, 0.2165**.

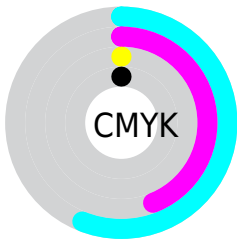
Distribution



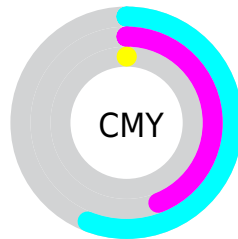
- Red (44%)
- Green (56%)
- Blue (100%)



- Red (44%)
- Yellow (54%)
- Blue (100%)



- Cyan (56%)
- Magenta (44%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (44%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6772, 0.2121, 0.1868 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 30.6772, 0.2121, 0.1868 by changing the saturation by 10% instead.


 30.6772, 0.2121,
0.1868


 30.6772, 0.2121,
0.1868


305.0484, 0.2633,
0.2547


 20.3532, 0.1997,
0.1715


 60.7315, 0.2305,
0.2103

 12.6520, 0.1842,
0.1530


 81.2305, 0.2375,
0.2195

 7.1894, 0.1646,
0.1305


 105.8901, 0.2435,
0.2275

 3.5808, 0.1394,
0.1030

135.0944, 0.2486,
0.2344

 1.4420, 0.1070,
0.0704

169.2281, 0.2530,
0.2404

 0.2473, 0.0674,
0.0226

208.6753, 0.2569,

 0.0000, 0.0000,

0.2457

0.0000

253.8207, 0.2603,
0.2505

■ 30.6772, 0.2121,
0.1868

■ 30.6772, 0.2121,
0.1868

■ 23.7038, 0.1942,
0.1574

■ 39.1893, 0.2313,
0.2165

■ 18.1745, 0.1786,
0.1298

■ 49.3304, 0.2507,
0.2451

■ 13.9795, 0.1664,
0.1058

■ 61.1811, 0.2696,
0.2718

■ 10.9918, 0.1581,
0.0868

■ 74.8169, 0.2875,
0.2961

■ 10.0231, 0.1556,
0.0802

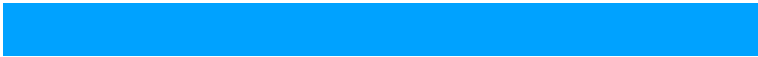
■ 90.3088, 0.3040,
0.3178

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



30.6772, 0.1648, 0.1924



30.6772, 0.2121, 0.1868



30.6772, 0.2931, 0.2082

Triad

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



30.6772, 0.2121, 0.1868



30.6772, 0.5069, 0.3795



30.6772, 0.2215, 0.4246

Complementary

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



30.6772, 0.2121, 0.1868



75.7369, 0.4094, 0.4376

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.



30.6772, 0.3058, 0.5057



30.6772, 0.2121, 0.1868



30.6772, 0.4715, 0.4486

Square

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



30.6772, 0.2121, 0.1868



30.6772, 0.4806, 0.3125



30.6772, 0.3967, 0.5043



30.6772, 0.1672, 0.3122

Rectangle

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



30.6772, 0.2121, 0.1868



30.6772, 0.3611, 0.2356



30.6772, 0.3967, 0.5043



30.6772, 0.2473, 0.4592

Sweetspot

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



30.6764, 0.2121, 0.1868



72.9443, 0.2852, 0.2931



80.2942, 0.2561, 0.3690



15.0056, 0.2817, 0.2883



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.



30.6764, 0.2121, 0.1868



22.9071, 0.1920, 0.1537



25.5847, 0.2294, 0.1600



18.0214, 0.2979, 0.3099



5.4147, 0.1563, 0.0825



0.6796, 0.1618, 0.1023

Inverse Universe

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



35.0748, 0.4434, 0.2981



29.0166, 0.4876, 0.2953



87.4818, 0.3666, 0.4759



18.0521, 0.3260, 0.3238



11.2746, 0.6029, 0.3095



1.1132, 0.5724, 0.2927

Previews

White Background



This preview shows how the Yxy color 30.6772, 0.2121, 0.1868 looks on a white background.

Color Contrast Check

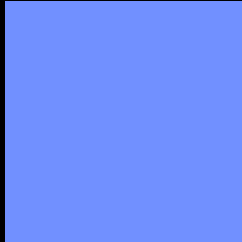
Large Text (above 18pt) WCAG AA × Fail

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 30.6772, 0.2121, 0.1868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

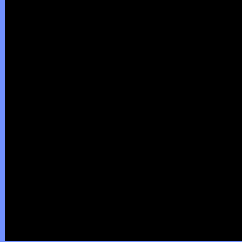
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6772, 0.2121, 0.1868

Background



This preview shows how black text looks on a background with the Yxy color 30.6772, 0.2121, 0.1868.



This preview shows how white text looks on a background with the Yxy color 30.6772, 0.2121, 0.1868.

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

30.6772, 0.2121, 0.1868

Protanopia

30.6613, 0.2077, 0.1877

Deuteranopia

30.7616, 0.1989, 0.1926



Tritanopia

30.7748, 0.2417, 0.3071

Trichromacy



Original Color

30.6772, 0.2121, 0.1868

Protanomaly

30.5966, 0.2094, 0.1871

Deuteranomaly

30.4594, 0.2025, 0.1892

Tritanomaly

30.1820, 0.2290, 0.2538

Monochromacy



Original Color

30.6772, 0.2121, 0.1868

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.2538, 0.2674, 0.2685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6772, 0.2121, 0.1868 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(113, 144, 255)` looks like.

```
.text, #text, p{  
    color:rgb(113, 144, 255)  
}
```

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(113, 144, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 144, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.6772, 0.2121, 0.1868 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(113, 144, 255) }
```

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

```
.border{ border-color:rgb(113, 144, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 144, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 144, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 144, 255); box-shadow:4px 4px 4px 4px rgb(113, 144, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6772, 0.2121, 0.1868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 144, 255) }
```

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

```
.background{ background-color: rgb(113,  
144, 255) }
```

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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