

Converting Colors

$Y_{xy}(30.1801, 0.2068, 0.1858)$

Have a look what the booklet for
Yxy(30.1801, 0.2068, 0.1858)
contains.

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Color

Yxy(30.2956, 0.2069, 0.1863)

Conversions

Conversions Part 1

Format	Color
Hex	6691FF
RGB	102, 145, 255
RGB Percent	40%, 57%, 100%
CMY	0.6004, 0.4313, 0.0000
CMYK	0.60, 0.43, 0.00, 0.00
HSL	223°, 100%, 70%
HSV	223°, 60%, 100%
XYZ	33.6455, 30.2956, 98.6762
YIQ	144.6830, -60.9380, 25.0940

Conversions

Conversions Part 2

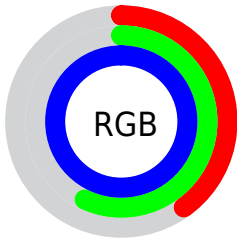
Format	Color
RYB	102, 136, 255
Decimal	6722047
CIELab	61.91, 17.89, -59.22
CIELCh	62, 61.862, 286.806
Yxy	30.2956, 0.2069, 0.1863
Android (android.graphics.Color)	4284912127 (0xFF6691FF)
YUV	144.6830, 54.3863, -37.4330
Hunter-Lab	55.0414, 12.7903, -67.7638

Details

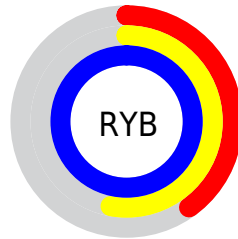
The Yxy color **30.2956, 0.2069, 0.1863** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **69.2426, 0.4229, 0.4361**, and the grayscale version is **27.9677, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5007, 0.2531, 0.2623**, and **12.4211, 0.1778, 0.1513** is the 20% darker color. If you saturate the color by 10%, you get **23.8754, 0.1905, 0.1590**, and if you desaturate by 10%, it is **38.0782, 0.2249, 0.2140**.

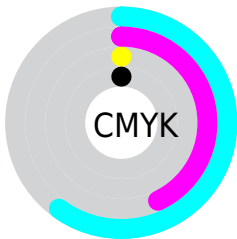
Distribution



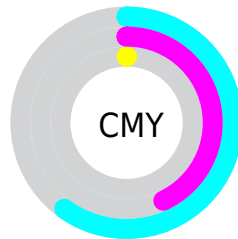
- Red (40%)
- Green (57%)
- Blue (100%)



- Red (40%)
- Yellow (53%)
- Blue (100%)



- Cyan (60%)
- Magenta (43%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (43%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2956, 0.2069, 0.1863 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 30.2956, 0.2069, 0.1863 by changing the saturation by 10% instead.


 30.2956, 0.2069,
0.1863


 30.2956, 0.2069,
0.1863


303.2799, 0.2605,
0.2547


 20.0631, 0.1940,
0.1709

 60.1293, 0.2261,
0.2101

 12.4409, 0.1780,
0.1522


 80.4993, 0.2335,
0.2193

 7.0447, 0.1577,
0.1294


 105.0173, 0.2397,
0.2273

 3.4901, 0.1319,
0.1016

134.0675, 0.2450,
0.2343

 1.3926, 0.0992,
0.0688

168.0345, 0.2497,
0.2403

 0.2113, 0.0590,
0.0196

207.3027, 0.2537,

 0.0000, 0.0000,

0.2457

0.0000

252.2563, 0.2573,
0.2505

■ 30.2956, 0.2069,
0.1863

■ 30.2956, 0.2069,
0.1863

■ 23.8754, 0.1905,
0.1590

■ 38.0782, 0.2249,
0.2140

■ 18.7279, 0.1767,
0.1333

■ 47.2987, 0.2436,
0.2409

■ 14.7555, 0.1661,
0.1108

■ 58.0298, 0.2622,
0.2662

■ 11.8306, 0.1590,
0.0924

■ 70.3386, 0.2801,
0.2895

■ 84.2876, 0.2970,
0.3104

99.9359, 0.3127,
0.3289

99.9996, 0.3127,
0.3290

Harmonies

Analogous

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



30.2956, 0.1624, 0.1944



30.2956, 0.2069, 0.1863



30.2956, 0.2852, 0.2056

Triad

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



30.2956, 0.2069, 0.1863



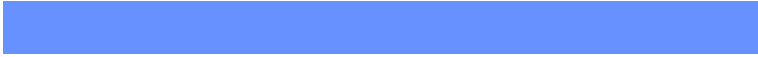
30.2956, 0.5071, 0.3736



30.2956, 0.2278, 0.4337

Complementary

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



30.2956, 0.2069, 0.1863



69.2426, 0.4229, 0.4361

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.



30.2956, 0.3136, 0.5086



30.2956, 0.2069, 0.1863



30.2956, 0.4762, 0.4428

Square

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



30.2956, 0.2069, 0.1863



30.2956, 0.4751, 0.3071



30.2956, 0.4039, 0.5008



30.2956, 0.1705, 0.3210

Rectangle

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



30.2956, 0.2069, 0.1863



30.2956, 0.3522, 0.2318



30.2956, 0.4039, 0.5008



30.2956, 0.2543, 0.4668

Sweetspot

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



30.2966, 0.2069, 0.1863



73.0469, 0.2837, 0.2939



79.0697, 0.2568, 0.3827



14.8120, 0.2786, 0.2875



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.



30.2966, 0.2069, 0.1863



22.7677, 0.1876, 0.1538



21.8613, 0.2161, 0.1441



18.2106, 0.2979, 0.3114



6.3982, 0.1598, 0.0951



0.7985, 0.1658, 0.1167

Inverse Universe

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



32.7883, 0.4469, 0.2868



27.2503, 0.4911, 0.2841



87.9755, 0.3746, 0.4830



18.0712, 0.3250, 0.3223



11.3739, 0.5832, 0.2987



1.1251, 0.5513, 0.2811

Previews

White Background



This preview shows how the Yxy color 30.2956, 0.2069, 0.1863 looks on a white background.

Color Contrast Check

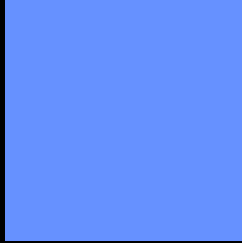
Large Text (above 18pt) WCAG AA × Fail

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 30.2956, 0.2069, 0.1863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

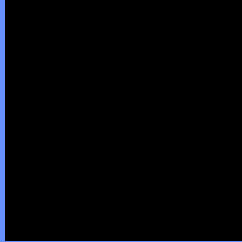
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

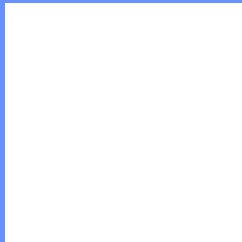
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.2956, 0.2069, 0.1863

Background



This preview shows how black text looks on a background with the Yxy color 30.2956, 0.2069, 0.1863.



This preview shows how white text looks on a background with the Yxy color 30.2956, 0.2069, 0.1863.

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

30.2956, 0.2069, 0.1863

Protanopia

30.2375, 0.2065, 0.1861

Deuteranopia

30.3462, 0.1969, 0.1899



Tritanopia

30.4872, 0.2332, 0.3067

Trichromacy



Original Color

30.2956, 0.2069, 0.1863

Protanomaly

30.2375, 0.2065, 0.1861

Deuteranomaly

30.1746, 0.2001, 0.1884

Tritanomaly

29.8470, 0.2212, 0.2527

Monochromacy



Original Color

30.2956, 0.2069, 0.1863

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.4207, 0.2629, 0.2674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2956, 0.2069, 0.1863 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(102, 145, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 145, 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(102, 145, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 145, 255) }
```

Border

The CSS property to change the border of an element to Yxy 30.2956, 0.2069, 0.1863 is called "border". The border property can be set on classes, ids or directly on the HTML element.

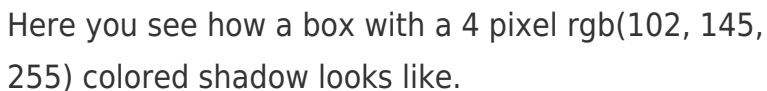
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(102, 145, 255) }
```

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

```
.border{ border-color:rgb(102, 145, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(102, 145, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 145, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 145, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 145,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2956, 0.2069, 0.1863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 145, 255) }
```

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

```
.background{ background-color: rgb(102,  
145, 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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