

Converting Colors

$Y_{xy}(31.5721, 0.1861, 0.1298)$

Have a look what the booklet for
Yxy(31.5721, 0.1861, 0.1298)
contains.

Yxy(26.4365, 0.2063, 0.1686)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(26.4365, 0.2063, 0.1686)

Conversions

Conversions Part 1

Format	Color
Hex	6D82FF
RGB	109, 130, 255
RGB Percent	43%, 51%, 100%
CMY	0.5722, 0.4903, 0.0000
CMYK	0.57, 0.49, 0.00, 0.00
HSL	231°, 100%, 71%
HSV	231°, 57%, 100%
XYZ	32.3479, 26.4365, 98.0158
YIQ	137.9710, -52.6410, 34.4230

Conversions

Conversions Part 2

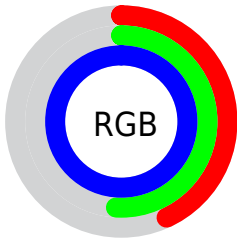
Format	Color
RYB	109, 127, 255
Decimal	7176959
CIELab	58.45, 28.19, -64.75
CIELCh	58, 70.622, 293.526
Yxy	26.4365, 0.2063, 0.1686
Android (android.graphics.Color)	4285367039 (0xFF6D82FF)
YUV	137.9710, 57.6953, -25.4076
Hunter-Lab	51.4164, 22.3218, -77.0337

Details

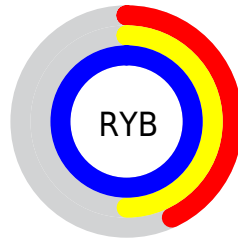
The Yxy color **26.4365, 0.2063, 0.1686** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **81.2707, 0.4058, 0.4489**, and the grayscale version is **25.2005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6330, 0.2544, 0.2449**, and **10.2911, 0.1760, 0.1317** is the 20% darker color. If you saturate the color by 10%, you get **19.8386, 0.1880, 0.1379**, and if you desaturate by 10%, it is **34.7372, 0.2262, 0.2006**.

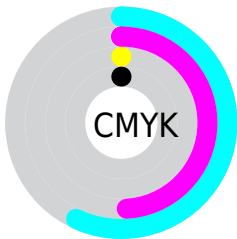
Distribution



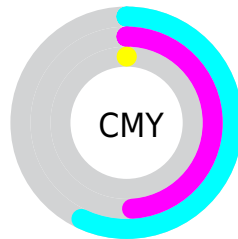
- Red (43%)
- Green (51%)
- Blue (100%)



- Red (43%)
- Yellow (50%)
- Blue (100%)



- Cyan (57%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (57%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.4365, 0.2063, 0.1686 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 26.4365, 0.2063, 0.1686 by changing the saturation by 10% instead.


 26.4365, 0.2063,
0.1686


 26.4365, 0.2063,
0.1686


284.9183, 0.2615,
0.2447


 17.1505, 0.1928,
0.1518


 53.9783, 0.2263,
0.1948

 10.3418, 0.1760,
0.1318


 73.0029, 0.2339,
0.2051

 5.6262, 0.1547,
0.1078


 96.0424, 0.2403,
0.2140

 2.6191, 0.1276,
0.0797

123.4813, 0.2457,
0.2217

 0.9363, 0.0935,
0.0483

155.7039, 0.2505,
0.2285

 0.0000, 0.0508,
0.0000

193.0947, 0.2546,

 0.0000, 0.0000,

0.2345

0.0000

236.0380, 0.2582,
0.2399

■ 26.4365, 0.2063,
0.1686

■ 26.4365, 0.2063,
0.1686

■ 19.8386, 0.1880,
0.1379

■ 34.7372, 0.2262,
0.2006

■ 14.8230, 0.1725,
0.1104

■ 44.8495, 0.2465,
0.2321

■ 11.2526, 0.1610,
0.0883

■ 56.8728, 0.2662,
0.2618

■ 8.9636, 0.1540,
0.0727

■ 70.8995, 0.2847,
0.2890

■ 8.5133, 0.1527,
0.0695

■ 87.0156, 0.3016,
0.3133

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.



26.4365, 0.1491, 0.1692



26.4365, 0.2063, 0.1686



26.4365, 0.3042, 0.1963

Triad

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



26.4365, 0.2063, 0.1686



26.4365, 0.5362, 0.3901



26.4365, 0.1928, 0.4252

Complementary

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



26.4365, 0.2063, 0.1686



81.2707, 0.4058, 0.4489

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.



26.4365, 0.2846, 0.5371



26.4365, 0.2063, 0.1686



26.4365, 0.4815, 0.4707

Square

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



26.4365, 0.2063, 0.1686



26.4365, 0.5209, 0.3157



26.4365, 0.3891, 0.5394



26.4365, 0.1398, 0.2891

Rectangle

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



26.4365, 0.2063, 0.1686



26.4365, 0.3863, 0.2288



26.4365, 0.3891, 0.5394



26.4365, 0.2200, 0.4714

Sweetspot

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



26.4365, 0.2063, 0.1686



71.2343, 0.2851, 0.2895



80.6662, 0.2500, 0.3550



14.6066, 0.2815, 0.2843



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.



26.4365, 0.2063, 0.1686



18.8349, 0.1850, 0.1327



25.6647, 0.2360, 0.1591



17.7973, 0.2979, 0.3080



4.5744, 0.1531, 0.0712



0.5655, 0.1577, 0.0877

Inverse Universe

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



33.8264, 0.4633, 0.3088



27.8637, 0.5144, 0.3079



85.4533, 0.3592, 0.4841



18.0294, 0.3272, 0.3256



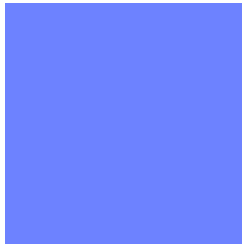
11.1897, 0.6212, 0.3196



1.1016, 0.5948, 0.3050

Previews

White Background



This preview shows how the Yxy color 26.4365, 0.2063, 0.1686 looks on a white background.

Color Contrast Check

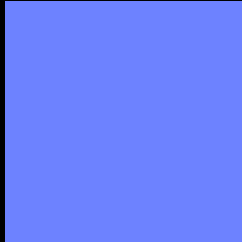
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4365, 0.2063, 0.1686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

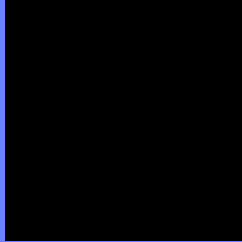
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.4365, 0.2063, 0.1686

Background



This preview shows how black text looks on a background with the Yxy color 26.4365, 0.2063, 0.1686.



This preview shows how white text looks on a background with the Yxy color 26.4365, 0.2063, 0.1686.

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

26.4365, 0.2063, 0.1686

Protanopia

26.5338, 0.1948, 0.1714

Deuteranopia

26.4934, 0.1835, 0.1769



Tritanopia

26.5533, 0.2393, 0.3074

Trichromacy



Original Color

26.4365, 0.2063, 0.1686

Protanomaly

26.4943, 0.1987, 0.1704

Deuteranomaly

25.9469, 0.1869, 0.1724

Tritanomaly

25.9562, 0.2245, 0.2439

Monochromacy



Original Color

26.4365, 0.2063, 0.1686

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

25.1762, 0.2624, 0.2565

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.4365, 0.2063, 0.1686 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, 130, 255)` looks like.

```
.text, #text, p{  
  color:rgb(109, 130, 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(109, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 130, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.4365, 0.2063, 0.1686 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, 130, 255) }
```

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

```
.border{ border-color:rgb(109, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 130, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 130, 255); box-shadow:4px 4px 4px 4px rgb(109, 130, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.4365, 0.2063, 0.1686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 130, 255) }
```

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

```
.background{ background-color: rgb(109,  
130, 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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