

Converting Colors

$Y_{xy}(26.3901, 0.2176, 0.1839)$

Have a look what the booklet for
Yxy(26.3901, 0.2176, 0.1839)
contains.

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Color

Yxy(26.3058, 0.2175, 0.1835)

Conversions

Conversions Part 1

Format	Color
Hex	7583F0
RGB	117, 131, 240
RGB Percent	46%, 51%, 94%
CMY	0.5412, 0.4863, 0.0588
CMYK	0.51, 0.45, 0.00, 0.06
HSL	233°, 80%, 70%
HSV	233°, 51%, 94%
XYZ	31.1799, 26.3058, 85.8702
YIQ	139.2400, -43.3330, 30.9310

Conversions

Conversions Part 2

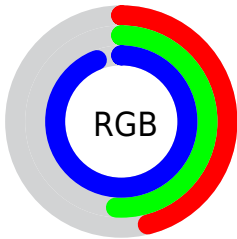
Format	Color
R_{YB}	117, 130, 240
Decimal	7701488
CIE _{Lab}	58.33, 24.47, -56.63
CIE _{LCh}	58, 61.692, 293.366
Yxy	26.3058, 0.2175, 0.1835
Android (android.graphics.Color)	4285891568 (0xFF7583F0)
YUV	139.2400, 49.6747, -19.5045
Hunter-Lab	51.2892, 18.7583, -63.3630

Details

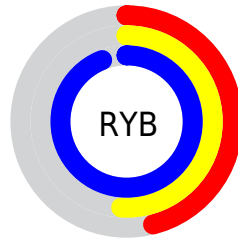
The Yxy color **26.3058, 0.2175, 0.1835** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **74.2002, 0.3944, 0.4412**, and the grayscale version is **25.7343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7311, 0.2585, 0.2470**, and **10.2657, 0.1891, 0.1477** is the 20% darker color. If you saturate the color by 10%, you get **19.7133, 0.1978, 0.1512**, and if you desaturate by 10%, it is **34.4986, 0.2380, 0.2162**.

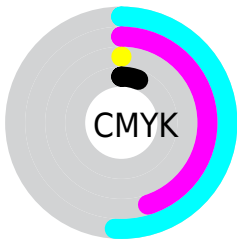
Distribution



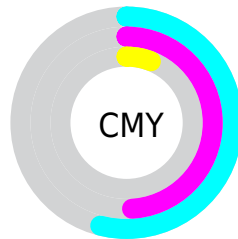
- Red (46%)
- Green (51%)
- Blue (94%)



- Red (46%)
- Yellow (51%)
- Blue (94%)



- Cyan (51%)
- Magenta (45%)
- Yellow (0%)
- Black (6%)





- Cyan (54%)
- Magenta (49%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3058, 0.2175, 0.1835 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 26.3058, 0.2175, 0.1835 by changing the saturation by 10% instead.


 26.3058, 0.2175,
0.1835


 26.3058, 0.2175,
0.1835


284.2800, 0.2676,
0.2542


 17.0526, 0.2049,
0.1673

 53.7679, 0.2359,
0.2083

 10.2720, 0.1889,
0.1475


 72.7455, 0.2428,
0.2179

 5.5797, 0.1682,
0.1233


 95.7333, 0.2486,
0.2261

 2.5912, 0.1411,
0.0938

123.1158, 0.2535,
0.2333

 0.9222, 0.1054,
0.0591

155.2773, 0.2578,
0.2395

 0.0000, 0.0544,
0.0000

192.6023, 0.2615,

 0.0000, 0.0000,

0.2450

0.0000

235.4750, 0.2647,
0.2499

■ 26.3058, 0.2175,
0.1835

■ 26.3058, 0.2175,
0.1835

■ 19.7133, 0.1978,
0.1512

■ 34.4986, 0.2380,
0.2162

■ 14.6129, 0.1803,
0.1213

■ 44.3848, 0.2583,
0.2476

■ 10.8872, 0.1662,
0.0961


■ 56.0537, 0.2774,
0.2768

■ 8.3993, 0.1567,
0.0774

■ 69.5873, 0.2950,
0.3030

■ 7.0898, 0.1519,
0.0668

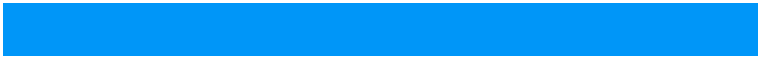
■ 85.0625, 0.3109,
0.3263

 99.0712, 0.3214,
0.3434

Harmonies

Analogous

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



26.3058, 0.1644, 0.1850



26.3058, 0.2175, 0.1835



26.3058, 0.3057, 0.2090

Triad

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



26.3058, 0.2175, 0.1835



26.3058, 0.5128, 0.3893



26.3058, 0.2078, 0.4133

Complementary

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



26.3058, 0.2175, 0.1835



74.2002, 0.3944, 0.4412

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.



26.3058, 0.2918, 0.5080



26.3058, 0.2175, 0.1835



26.3058, 0.4679, 0.4608

Square

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



26.3058, 0.2175, 0.1835



26.3058, 0.4956, 0.3199



26.3058, 0.3864, 0.5160



26.3058, 0.1574, 0.2968

Rectangle

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



26.3058, 0.2175, 0.1835



26.3058, 0.3776, 0.2390



26.3058, 0.3864, 0.5160



26.3058, 0.2329, 0.4518

Sweetspot

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



26.3067, 0.2175, 0.1835



73.7014, 0.2885, 0.2934



71.5728, 0.2526, 0.3466



15.0708, 0.2848, 0.2879



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.



26.3067, 0.2175, 0.1835



22.6573, 0.1979, 0.1514



26.9227, 0.2495, 0.1795



15.5184, 0.2980, 0.3074



3.9766, 0.1523, 0.0682



0.4251, 0.1569, 0.0849

Inverse Universe

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



32.8867, 0.4433, 0.3142



31.5572, 0.4852, 0.3127



74.9211, 0.3530, 0.4695



15.7881, 0.3275, 0.3263



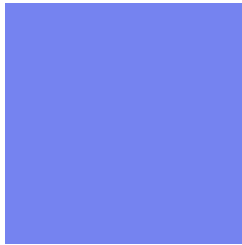
10.1948, 0.6262, 0.3223



0.8576, 0.5991, 0.3074

Previews

White Background



This preview shows how the Yxy color 26.3058, 0.2175, 0.1835 looks on a white background.

Color Contrast Check

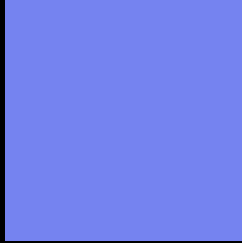
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3058, 0.2175, 0.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

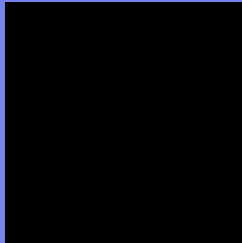
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3058, 0.2175, 0.1835

Background



This preview shows how black text looks on a background with the Yxy color 26.3058, 0.2175, 0.1835.



This preview shows how white text looks on a background with the Yxy color 26.3058, 0.2175, 0.1835.

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

26.3058, 0.2175, 0.1835

Protanopia

26.3746, 0.2023, 0.1809

Deuteranopia

26.4880, 0.1980, 0.1913



Tritanopia

26.2922, 0.2516, 0.3077

Trichromacy



Original Color

26.3058, 0.2175, 0.1835

Protanomaly

26.2306, 0.2074, 0.1816

Deuteranomaly

26.1017, 0.2031, 0.1869

Tritanomaly

25.7730, 0.2365, 0.2517

Monochromacy



Original Color

26.3058, 0.2175, 0.1835

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.5682, 0.2703, 0.2658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3058, 0.2175, 0.1835 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, 131, 240)` looks like.

```
.text, #text, p{  
    color:rgb(117, 131, 240)  
}
```

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, 131, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 131, 240) }
```

Border

The CSS property to change the border of an element to Yxy 26.3058, 0.2175, 0.1835 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, 131, 240) }
```

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

```
.border{ border-color:rgb(117, 131, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 131, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 131, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 131, 240);  
box-shadow:4px 4px 4px 4px rgb(117, 131,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3058, 0.2175, 0.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 131, 240) }
```

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

```
.background{ background-color: rgb(117,  
131, 240) }
```

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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