

Converting Colors

$Y_{xy}(31.4532, 0.1857, 0.1292)$

Have a look what the booklet for
Yxy(31.4532, 0.1857, 0.1292)
contains.

| | |
|--|----|
| Yxy(26.1087, 0.2055, 0.1672) | 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(26.1087, 0.2055, 0.1672)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6C81FF |
| RGB | 108, 129, 255 |
| RGB Percent | 42%, 51%, 100% |
| CMY | 0.5762, 0.4942, 0.0000 |
| CMYK | 0.58, 0.49, 0.00, 0.00 |
| HSL | 231°, 100%, 71% |
| HSV | 231°, 58%, 100% |
| XYZ | 32.0893, 26.1087, 97.9545 |
| YIQ | 137.0850, -52.9620, 34.7340 |

Conversions

Conversions Part 2

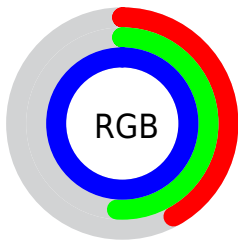
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 108, 126, 255 |
| Decimal | 7111167 |
| CIE Lab | 58.14, 28.59, -65.24 |
| CIE LCh | 58, 71.233, 293.663 |
| Yxy | 26.1087, 0.2055, 0.1672 |
| Android (android.graphics.Color) | 4285301247 (0xFF6C81FF) |
| YUV | 137.0850, 58.1321, -25.5075 |
| Hunter-Lab | 51.0967, 22.6810, -77.8938 |

Details

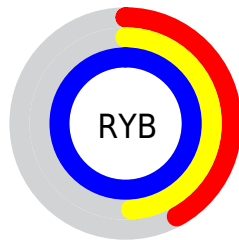
The Yxy color **26.1087, 0.2055, 0.1672** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **81.2308, 0.4063, 0.4497**, and the grayscale version is **24.8460, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.1109, 0.2536, 0.2436**, and **10.1086, 0.1750, 0.1300** is the 20% darker color. If you saturate the color by 10%, you get **19.5796, 0.1872, 0.1365**, and if you desaturate by 10%, it is **34.3395, 0.2254, 0.1992**.

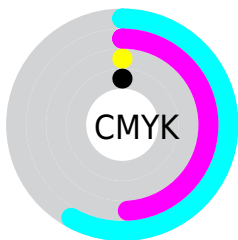
Distribution



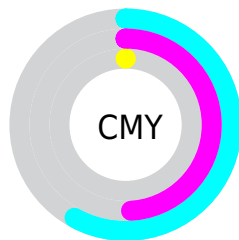
- Red (42%)
- Green (51%)
- Blue (100%)



- Red (42%)
- Yellow (49%)
- Blue (100%)



- Cyan (58%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.1087, 0.2055, 0.1672 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 26.1087, 0.2055, 0.1672 by changing the saturation by 10% instead.


 26.1087, 0.2055,
0.1672

 26.1087, 0.2055,
0.1672


283.3153, 0.2611,
0.2439


 16.9050, 0.1919,
0.1503


 53.4503, 0.2257,
0.1936

 10.1668, 0.1750,
0.1301


 72.3569, 0.2333,
0.2039

 5.5097, 0.1535,
0.1061


 95.2666, 0.2398,
0.2129

 2.5493, 0.1262,
0.0780

122.5638, 0.2453,
0.2207

 0.9012, 0.0920,
0.0467

154.6328, 0.2501,
0.2276

 0.0000, 0.0488,
0.0000

191.8582, 0.2542,

 0.0000, 0.0000,

0.2337

0.0000

234.6242, 0.2579,
0.2391

■ 26.1087, 0.2055,
0.1672

■ 26.1087, 0.2055,
0.1672

■ 19.5796, 0.1872,
0.1365

■ 34.3395, 0.2254,
0.1992

■ 14.6284, 0.1719,
0.1093

■ 44.3790, 0.2457,
0.2308

■ 11.1177, 0.1606,
0.0874

■ 56.3281, 0.2654,
0.2606

■ 8.8808, 0.1538,
0.0721

■ 70.2793, 0.2840,
0.2879

■ 8.5009, 0.1526,
0.0694

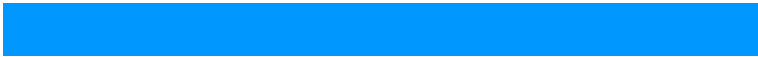
■ 86.3192, 0.3009,
0.3123

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



26.1087, 0.1478, 0.1676



26.1087, 0.2055, 0.1672



26.1087, 0.3045, 0.1952

Triad

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



26.1087, 0.2055, 0.1672



26.1087, 0.5384, 0.3904



26.1087, 0.1909, 0.4258

Complementary

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



26.1087, 0.2055, 0.1672



81.2308, 0.4063, 0.4497

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.



26.1087, 0.2834, 0.5399



26.1087, 0.2055, 0.1672



26.1087, 0.4825, 0.4719

Square

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



26.1087, 0.2055, 0.1672



26.1087, 0.5237, 0.3156



26.1087, 0.3888, 0.5419



26.1087, 0.1379, 0.2878

Rectangle

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



26.1087, 0.2055, 0.1672



26.1087, 0.3877, 0.2280



26.1087, 0.3888, 0.5419



26.1087, 0.2183, 0.4729

Sweetspot

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



26.1095, 0.2055, 0.1672



71.2166, 0.2851, 0.2895



80.5922, 0.2497, 0.3552



14.6025, 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.



26.1095, 0.2055, 0.1672



18.8069, 0.1849, 0.1325



25.3793, 0.2353, 0.1579



17.7949, 0.2979, 0.3080



4.5674, 0.1531, 0.0711



0.5644, 0.1577, 0.0875

Inverse Universe

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



33.5827, 0.4651, 0.3088



27.8609, 0.5146, 0.3080



85.3802, 0.3594, 0.4852



18.0292, 0.3272, 0.3256



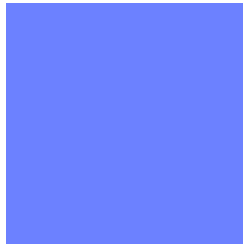
11.1890, 0.6214, 0.3197



1.1015, 0.5951, 0.3052

Previews

White Background



This preview shows how the Yxy color 26.1087, 0.2055, 0.1672 looks on a white background.

Color Contrast Check

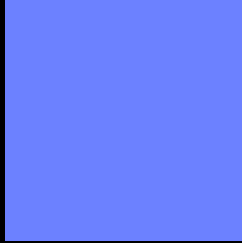
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.1087, 0.2055, 0.1672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

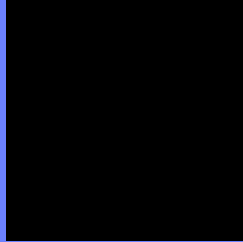
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.1087, 0.2055, 0.1672

Background



This preview shows how black text looks on a background with the Yxy color 26.1087, 0.2055, 0.1672.



This preview shows how white text looks on a background with the Yxy color 26.1087, 0.2055, 0.1672.

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

26.1087, 0.2055, 0.1672

Protanopia

26.1676, 0.1937, 0.1698

Deuteranopia

26.3110, 0.1826, 0.1774



Tritanopia

26.1172, 0.2385, 0.3072

Trichromacy



Original Color

26.1087, 0.2055, 0.1672

Protanomaly

26.1189, 0.1975, 0.1688

Deuteranomaly

25.3509, 0.1845, 0.1710

Tritanomaly

25.5153, 0.2235, 0.2433

Monochromacy



Original Color

26.1087, 0.2055, 0.1672

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7811, 0.2621, 0.2561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.1087, 0.2055, 0.1672 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(108, 129, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 129, 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(108, 129, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 129, 255) }
```

Border

The CSS property to change the border of an element to Yxy 26.1087, 0.2055, 0.1672 is called "border". The border property can be set on classes, ids or directly on the HTML element.

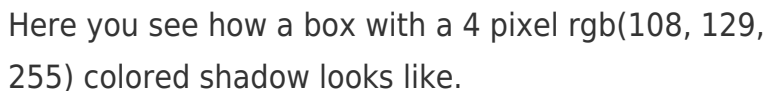
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 129, 255) }
```

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

```
.border{ border-color:rgb(108, 129, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 129, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 129, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 129, 255); box-shadow:4px 4px 4px 4px rgb(108, 129, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 26.1087, 0.2055, 0.1672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 129, 255) }
```

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

```
.background{ background-color: rgb(108,  
129, 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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