

Converting Colors

$Y_{xy}(26.2534, 0.2234, 0.1808)$

Have a look what the booklet for
Yxy(26.2534, 0.2234, 0.1808)
contains.

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Color

Yxy(26.3784, 0.2234, 0.1813)

Conversions

Conversions Part 1

Format	Color
Hex	8080F1
RGB	128, 128, 241
RGB Percent	50%, 50%, 95%
CMY	0.4979, 0.4981, 0.0548
CMYK	0.47, 0.47, 0.00, 0.05
HSL	240°, 80%, 72%
HSV	240°, 47%, 95%
XYZ	32.5038, 26.3784, 86.6137
YIQ	140.8820, -36.2730, 35.1430

Conversions

Conversions Part 2

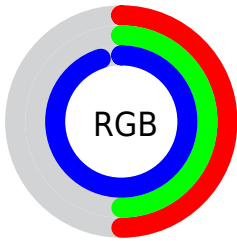
Format	Color
RYB	128, 128, 241
Decimal	8421617
CIELab	58.39, 28.99, -57.05
CIELCh	58, 63.988, 296.935
Yxy	26.3784, 0.2234, 0.1813
Android (android.graphics.Color)	4286611697 (0xFF8080F1)
YUV	140.8820, 49.3582, -11.2975
Hunter-Lab	51.3599, 23.0862, -64.0351

Details

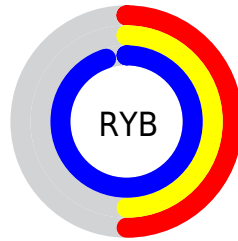
The Yxy color **26.3784, 0.2234, 0.1813** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **83.1787, 0.3820, 0.4436**, and the grayscale version is **26.4033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7069, 0.2648, 0.2449**, and **10.3179, 0.1963, 0.1457** is the 20% darker color. If you saturate the color by 10%, you get **19.1694, 0.2021, 0.1461**, and if you desaturate by 10%, it is **35.5257, 0.2451, 0.2171**.

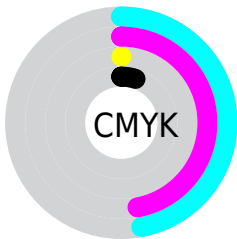
Distribution



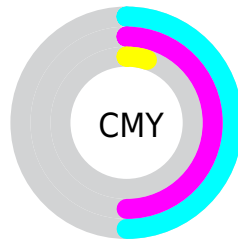
- Red (50%)
- Green (50%)
- Blue (95%)



- Red (50%)
- Yellow (50%)
- Blue (95%)



- Cyan (47%)
- Magenta (47%)
- Yellow (0%)
- Black (5%)



- Cyan (50%)
- Magenta (50%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.3784, 0.2234, 0.1813 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 26.3784, 0.2234, 0.1813 by changing the saturation by 10% instead.


 26.3784, 0.2234,
0.1813


 26.3784, 0.2234,
0.1813


284.6347, 0.2707,
0.2526


 17.1069, 0.2114,
0.1651


 53.8848, 0.2409,
0.2062

 10.3108, 0.1960,
0.1454


 72.8885, 0.2474,
0.2158

 5.6055, 0.1761,
0.1214


 95.9050, 0.2529,
0.2241

 2.6067, 0.1497,
0.0922

123.3189, 0.2575,
0.2314

 0.9300, 0.1146,
0.0581

155.5144, 0.2615,
0.2377

 0.0000, 0.0673,
0.0000

192.8759, 0.2650,

 0.0000, 0.0000,

0.2432

0.0000

235.7879, 0.2680,
0.2482

■ 26.3784, 0.2234,
0.1813

■ 26.3784, 0.2234,
0.1813

■ 19.1694, 0.2021,
0.1461

■ 35.5257, 0.2451,
0.2171

■ 13.7567, 0.1828,
0.1141

■ 46.7343, 0.2659,
0.2516

■ 9.9835, 0.1672,
0.0883

■ 60.1200, 0.2850,
0.2832

■ 7.6644, 0.1565,
0.0707

■ 75.7895, 0.3021,
0.3115

■ 6.5633, 0.1511,
0.0618

■ 93.8423, 0.3171,
0.3363

■ 6.3527, 0.1500,
0.0600

■ 99.1322, 0.3208,
0.3424

Harmonies

Analogous

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



26.3784, 0.1649, 0.1792



26.3784, 0.2234, 0.1813



26.3784, 0.3180, 0.2104

Triad

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



26.3784, 0.2234, 0.1813



26.3784, 0.5162, 0.3983



26.3784, 0.1958, 0.4013

Complementary

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



26.3784, 0.2234, 0.1813



83.1787, 0.3820, 0.4436

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.



26.3784, 0.2788, 0.5079



26.3784, 0.2234, 0.1813



26.3784, 0.4631, 0.4720

Square

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



26.3784, 0.2234, 0.1813



26.3784, 0.5079, 0.3270



26.3784, 0.3761, 0.5258



26.3784, 0.1494, 0.2829

Rectangle

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



26.3784, 0.2234, 0.1813



26.3784, 0.3931, 0.2427



26.3784, 0.3761, 0.5258



26.3784, 0.2201, 0.4430

Sweetspot

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



26.3793, 0.2234, 0.1813



73.1484, 0.2901, 0.2917



73.8638, 0.2504, 0.3288



14.8714, 0.2863, 0.2853



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.



26.3793, 0.2234, 0.1813



22.3138, 0.2036, 0.1486



32.0406, 0.2674, 0.1970



15.2291, 0.2979, 0.3046



3.4444, 0.1500, 0.0600



0.2866, 0.1501, 0.0600

Inverse Universe

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



40.4898, 0.3181, 0.2151



40.1092, 0.3190, 0.1965



74.7344, 0.3412, 0.4616



16.0313, 0.3138, 0.3058



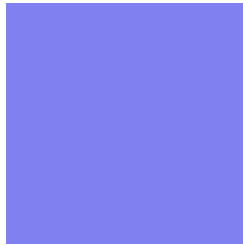
13.5821, 0.3210, 0.1542



1.1299, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 26.3784, 0.2234, 0.1813 looks on a white background.

Color Contrast Check

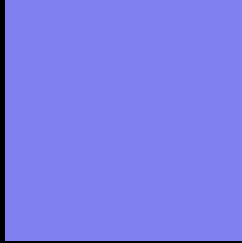
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.3784, 0.2234, 0.1813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

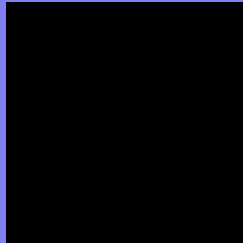
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.3784, 0.2234, 0.1813

Background



This preview shows how black text looks on a background with the Yxy color 26.3784, 0.2234, 0.1813.



This preview shows how white text looks on a background with the Yxy color 26.3784, 0.2234, 0.1813.

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

26.3784, 0.2234, 0.1813

Protanopia

26.4741, 0.1996, 0.1771

Deuteranopia

26.4880, 0.1980, 0.1913



Tritanopia

26.3739, 0.2631, 0.3081

Trichromacy



Original Color

26.3784, 0.2234, 0.1813

Protanomaly

26.2537, 0.2069, 0.1781

Deuteranomaly

26.0140, 0.2046, 0.1861

Tritanomaly

25.9410, 0.2460, 0.2515

Monochromacy



Original Color

26.3784, 0.2234, 0.1813

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.0169, 0.2741, 0.2652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.3784, 0.2234, 0.1813 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(128, 128, 241)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 241)  
}
```

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(128, 128, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 241) }
```

Border

The CSS property to change the border of an element to Yxy 26.3784, 0.2234, 0.1813 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(128, 128, 241) }
```

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

```
.border{ border-color:rgb(128, 128, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 241);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 26.3784, 0.2234, 0.1813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 241) }
```

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

```
.background{ background-color: rgb(128,  
128, 241) }
```

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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