

Converting Colors

$Y_{xy}(24.0866, 0.2085, 0.1567)$

Have a look what the booklet for
Yxy(24.0866, 0.2085, 0.1567)
contains.

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Color

Yxy(24.0284, 0.2083, 0.1564)

Conversions

Conversions Part 1

Format	Color
Hex	7676FF
RGB	118, 118, 255
RGB Percent	46%, 46%, 100%
CMY	0.5374, 0.5373, 0.0000
CMYK	0.54, 0.54, 0.00, 0.00
HSL	240°, 100%, 73%
HSV	240°, 54%, 100%
XYZ	32.0020, 24.0284, 97.6039
YIQ	133.6180, -43.9770, 42.6070

Conversions

Conversions Part 2

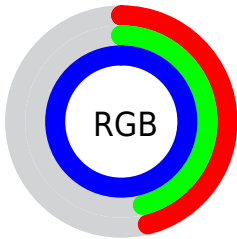
Format	Color
R _Y B	118, 118, 255
Decimal	7763711
CIE Lab	56.12, 37.00, -68.50
CIE LCh	56, 77.855, 298.373
Yxy	24.0284, 0.2083, 0.1564
Android (android.graphics.Color)	4285953791 (0xFF7676FF)
YUV	133.6180, 59.8413, -13.6970
Hunter-Lab	49.0188, 30.7513, -83.7423

Details

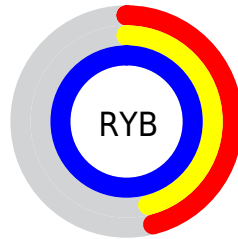
The Yxy color **24.0284, 0.2083, 0.1564** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **94.0633, 0.3908, 0.4580**, and the grayscale version is **23.4774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5532, 0.2586, 0.2309**, and **9.1153, 0.1780, 0.1190** is the 20% darker color. If you saturate the color by 10%, you get **17.2615, 0.1882, 0.1231**, and if you desaturate by 10%, it is **32.8941, 0.2300, 0.1922**.

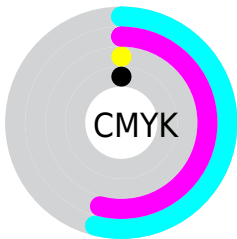
Distribution



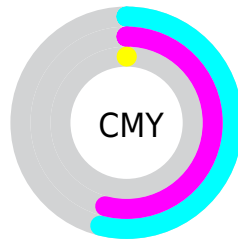
- Red (46%)
- Green (46%)
- Blue (100%)



- Red (46%)
- Yellow (46%)
- Blue (100%)



- Cyan (54%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)





- Cyan (54%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0284, 0.2083, 0.1564 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 24.0284, 0.2083, 0.1564 by changing the saturation by 10% instead.


 24.0284, 0.2083,
0.1564


 24.0284, 0.2083,
0.1564


272.9640, 0.2635,
0.2375


 15.3547, 0.1946,
0.1389


 50.0765, 0.2285,
0.1840

 9.0687, 0.1775,
0.1182


 68.2198, 0.2361,
0.1950

 4.7860, 0.1557,
0.0939


 90.2883, 0.2425,
0.2045

 2.1223, 0.1279,
0.0661

116.6665, 0.2479,
0.2128

 0.6771, 0.0930,
0.0357

147.7388, 0.2526,
0.2201

 0.0000, 0.0484,
0.0000

183.8895, 0.2567,

 0.0000, 0.0000,

0.2265

0.0000

225.5031, 0.2603,
0.2323

■ 24.0284, 0.2083,
0.1564

■ 24.0284, 0.2083,
0.1564

■ 17.2615, 0.1882,
0.1231

■ 32.8941, 0.2300,
0.1922

■ 12.4279, 0.1713,
0.0951

■ 44.0215, 0.2516,
0.2279

■ 9.3231, 0.1590,
0.0749

■ 57.5476, 0.2720,
0.2617

■ 7.7012, 0.1521,
0.0635

■ 73.6014, 0.2906,
0.2924

■ 7.2215, 0.1500,
0.0600

■ 92.3022, 0.3071,
0.3197

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.



24.0284, 0.1407, 0.1513



24.0284, 0.2083, 0.1564



24.0284, 0.3234, 0.1905

Triad

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



24.0284, 0.2083, 0.1564



24.0284, 0.5534, 0.4021



24.0284, 0.1646, 0.4112

Complementary

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



24.0284, 0.2083, 0.1564



94.0633, 0.3908, 0.4580

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.



24.0284, 0.2582, 0.5578



24.0284, 0.2083, 0.1564



24.0284, 0.4788, 0.4931

Square

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



24.0284, 0.2083, 0.1564



24.0284, 0.5564, 0.3221



24.0284, 0.3717, 0.5719



24.0284, 0.1176, 0.2612

Rectangle

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



24.0284, 0.2083, 0.1564



24.0284, 0.4181, 0.2277



24.0284, 0.3717, 0.5719



24.0284, 0.1914, 0.4684

Sweetspot

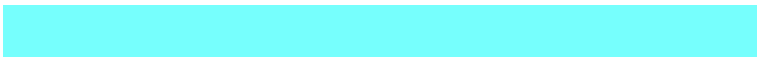
The Sweet Spot groups the original color and five complimentary colors.



24.0257, 0.2083, 0.1564



69.7463, 0.2866, 0.2858



82.4427, 0.2449, 0.3314



14.2018, 0.2828, 0.2795



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.



24.0257, 0.2083, 0.1564



17.1124, 0.1877, 0.1223



30.3827, 0.2565, 0.1758



17.3786, 0.2978, 0.3044



3.7737, 0.1500, 0.0600



0.3677, 0.1500, 0.0601

Inverse Universe

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



35.5160, 0.4729, 0.3294



29.6497, 0.5222, 0.3296



83.6159, 0.3452, 0.4814



17.9872, 0.3295, 0.3290



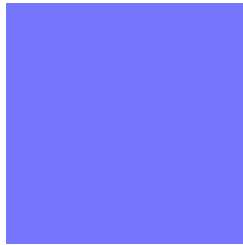
11.1089, 0.6400, 0.3300



1.0817, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 24.0284, 0.2083, 0.1564 looks on a white background.

Color Contrast Check

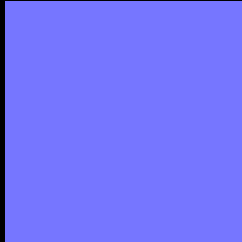
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0284, 0.2083, 0.1564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

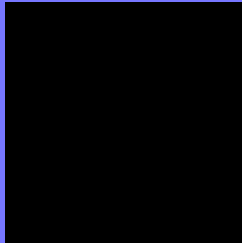
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0284, 0.2083, 0.1564

Background



This preview shows how black text looks on a background with the Yxy color 24.0284, 0.2083, 0.1564.



This preview shows how white text looks on a background with the Yxy color 24.0284, 0.2083, 0.1564.

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

24.0284, 0.2083, 0.1564

Protanopia

24.2420, 0.1871, 0.1615

Deuteranopia

24.1826, 0.1832, 0.1796



Tritanopia

23.8505, 0.2483, 0.3067

Trichromacy



Original Color

24.0284, 0.2083, 0.1564

Protanomaly

23.9807, 0.1929, 0.1591

Deuteranomaly

23.0714, 0.1845, 0.1671

Tritanomaly

23.2986, 0.2307, 0.2362

Monochromacy



Original Color

24.0284, 0.2083, 0.1564

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.2419, 0.2645, 0.2494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0284, 0.2083, 0.1564 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(118, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(118, 118, 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(118, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 118, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.0284, 0.2083, 0.1564 is called "border". The border property can be set on classes, ids or directly on the HTML element.

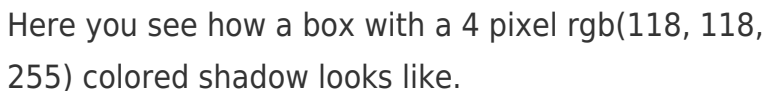
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 118, 255) }
```

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

```
.border{ border-color:rgb(118, 118, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 118, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(118, 118,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0284, 0.2083, 0.1564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 118, 255) }
```

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

```
.background{ background-color: rgb(118,  
118, 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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