

Converting Colors

$Y_{xy}(24.6576, 0.2119, 0.1589)$

Have a look what the booklet for
Yxy(24.6576, 0.2119, 0.1589)
contains.

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Color

Yxy(24.6246, 0.2116, 0.1588)

Conversions

Conversions Part 1

Format	Color
Hex	7B77FF
RGB	123, 119, 255
RGB Percent	48%, 47%, 100%
CMY	0.5177, 0.5333, 0.0000
CMYK	0.52, 0.53, 0.00, 0.00
HSL	242°, 100%, 73%
HSV	242°, 53%, 100%
XYZ	32.8121, 24.6246, 97.6300
YIQ	135.7000, -41.2720, 43.1440

Conversions

Conversions Part 2

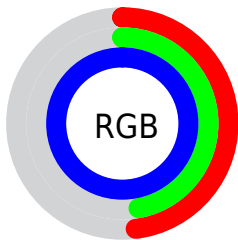
Format	Color
RYB	123, 119, 255
Decimal	8091647
CIELab	56.71, 37.36, -67.50
CIElCh	57, 77.148, 298.962
Yxy	24.6246, 0.2116, 0.1588
Android (android.graphics.Color)	4286281727 (0xFF7B77FF)
YUV	135.7000, 58.8149, -11.1379
Hunter-Lab	49.6232, 31.1882, -81.9126

Details

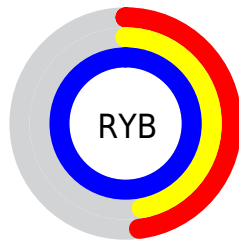
The Yxy color **24.6246, 0.2116, 0.1588** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **93.3663, 0.3875, 0.4586**, and the grayscale version is **24.2904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4131, 0.2615, 0.2328**, and **9.3111, 0.1815, 0.1206** is the 20% darker color. If you saturate the color by 10%, you get **17.7476, 0.1914, 0.1255**, and if you desaturate by 10%, it is **33.5924, 0.2330, 0.1944**.

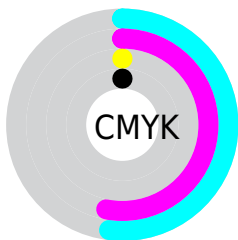
Distribution



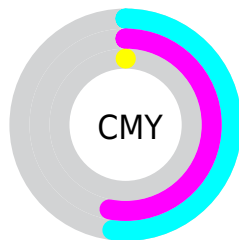
- Red (48%)
- Green (47%)
- Blue (100%)



- Red (48%)
- Yellow (47%)
- Blue (100%)



- Cyan (52%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)





- Cyan (52%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6246, 0.2116, 0.1588 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 24.6246, 0.2116, 0.1588 by changing the saturation by 10% instead.


 24.6246, 0.2116,
0.1588

 24.6246, 0.2116,
0.1588


275.9632, 0.2651,
0.2387


 15.7976, 0.1983,
0.1415


 51.0476, 0.2312,
0.1860

 9.3810, 0.1816,
0.1210


 69.4123, 0.2385,
0.1968

 4.9905, 0.1603,
0.0969


 91.7251, 0.2447,
0.2062

 2.2417, 0.1330,
0.0691

118.3703, 0.2500,
0.2143

 0.7426, 0.0983,
0.0388

149.7323, 0.2546,
0.2215

 0.0000, 0.0549,
0.0000

186.1955, 0.2585,

 0.0000, 0.0000,

0.2279

0.0000

228.1444, 0.2620,
0.2336

■ 24.6246, 0.2116,
0.1588

■ 24.6246, 0.2116,
0.1588

■ 17.7476, 0.1914,
0.1255

■ 33.5924, 0.2330,
0.1944

■ 12.7902, 0.1741,
0.0972

■ 44.7993, 0.2541,
0.2298

■ 9.5581, 0.1611,
0.0764

■ 58.3825, 0.2740,
0.2632

■ 7.8148, 0.1532,
0.0643

■ 74.4677, 0.2920,
0.2937

■ 7.2680, 0.1506,
0.0603

■ 93.1719, 0.3079,
0.3207

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.



24.6246, 0.1437, 0.1532



24.6246, 0.2116, 0.1588



24.6246, 0.3260, 0.1932

Triad

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



24.6246, 0.2116, 0.1588



24.6246, 0.5495, 0.4040



24.6246, 0.1655, 0.4065

Complementary

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



24.6246, 0.2116, 0.1588



93.3663, 0.3875, 0.4586

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.



24.6246, 0.2575, 0.5514



24.6246, 0.2116, 0.1588



24.6246, 0.4756, 0.4938

Square

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



24.6246, 0.2116, 0.1588



24.6246, 0.5535, 0.3244



24.6246, 0.3698, 0.5693



24.6246, 0.1196, 0.2604

Rectangle

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



24.6246, 0.2116, 0.1588



24.6246, 0.4192, 0.2304



24.6246, 0.3698, 0.5693



24.6246, 0.1917, 0.4625

Sweetspot

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



24.6254, 0.2116, 0.1588



69.9208, 0.2873, 0.2858



81.2244, 0.2438, 0.3262



14.2427, 0.2837, 0.2797



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.



24.6254, 0.2116, 0.1588



17.3572, 0.1901, 0.1234



31.2695, 0.2608, 0.1785



17.4030, 0.2983, 0.3044



3.8086, 0.1509, 0.0605



0.3793, 0.1529, 0.0616

Inverse Universe

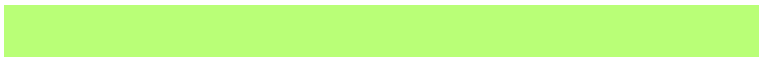
The Inverse Universe completely reimagines the original color for something new.



41.4228, 0.3222, 0.2045



35.7967, 0.3240, 0.1861



83.1333, 0.3421, 0.4818



18.2907, 0.3143, 0.3063



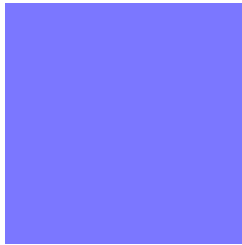
14.6399, 0.3284, 0.1583



1.4282, 0.3274, 0.1577

Previews

White Background



This preview shows how the Yxy color 24.6246, 0.2116, 0.1588 looks on a white background.

Color Contrast Check

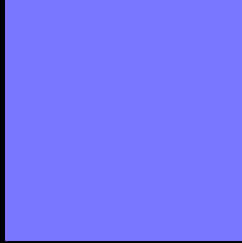
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6246, 0.2116, 0.1588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

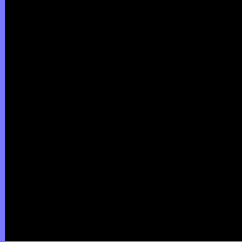
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6246, 0.2116, 0.1588

Background



This preview shows how black text looks on a background with the Yxy color 24.6246, 0.2116, 0.1588.



This preview shows how white text looks on a background with the Yxy color 24.6246, 0.2116, 0.1588.

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

24.6246, 0.2116, 0.1588

Protanopia

24.6815, 0.1890, 0.1633

Deuteranopia

24.7086, 0.1827, 0.1776



Tritanopia

24.5710, 0.2537, 0.3072

Trichromacy



Original Color

24.6246, 0.2116, 0.1588

Protanomaly

24.4735, 0.1953, 0.1611

Deuteranomaly

23.5678, 0.1845, 0.1663

Tritanomaly

24.0173, 0.2353, 0.2377

Monochromacy



Original Color

24.6246, 0.2116, 0.1588

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.0452, 0.2669, 0.2519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6246, 0.2116, 0.1588 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(123, 119, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 119, 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(123, 119, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 119, 255) }
```

Border

The CSS property to change the border of an element to Yxy 24.6246, 0.2116, 0.1588 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(123, 119, 255) }
```

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

```
.border{ border-color:rgb(123, 119, 255) }
```

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

Here you see how a box with a 4 pixel rgb(123, 119, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 119, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 119, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 119,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6246, 0.2116, 0.1588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 119, 255) }
```

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

```
.background{ background-color: rgb(123,  
119, 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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