

Converting Colors

$Y_{xy}(24.8290, 0.2251, 0.1725)$

Have a look what the booklet for
Yxy(24.8290, 0.2251, 0.1725)
contains.

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Color

Yxy(24.8303, 0.2246, 0.1720)

Conversions

Conversions Part 1

Format	Color
Hex	8578F2
RGB	133, 120, 242
RGB Percent	52%, 47%, 95%
CMY	0.4783, 0.5295, 0.0509
CMYK	0.45, 0.50, 0.00, 0.05
HSL	246°, 82%, 71%
HSV	246°, 50%, 95%
XYZ	32.4238, 24.8303, 87.1082
YIQ	137.7950, -31.4140, 40.6980

Conversions

Conversions Part 2

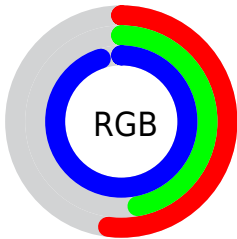
Format	Color
R_{YB}	133, 120, 242
Decimal	8747250
CIE _{Lab}	56.91, 35.10, -59.96
CIE _{LCh}	57, 69.476, 300.344
Yxy	24.8303, 0.2246, 0.1720
Android (android.graphics.Color)	4286937330 (0xFF8578F2)
YUV	137.7950, 51.3731, -4.2052
Hunter-Lab	49.8300, 28.9452, -68.7642

Details

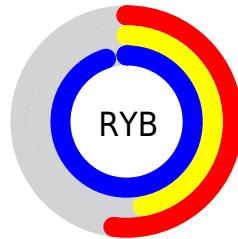
The Yxy color **24.8303, 0.2246, 0.1720** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **81.5279, 0.3770, 0.4557**, and the grayscale version is **25.1453, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1835, 0.2674, 0.2365**, and **9.4651, 0.1968, 0.1346** is the 20% darker color. If you saturate the color by 10%, you get **18.1455, 0.2045, 0.1384**, and if you desaturate by 10%, it is **33.3495, 0.2449, 0.2069**.

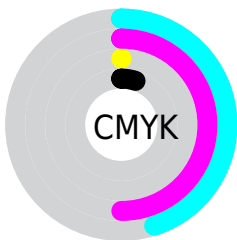
Distribution



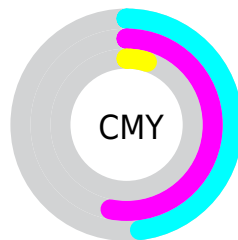
- Red (52%)
- Green (47%)
- Blue (95%)



- Red (52%)
- Yellow (47%)
- Blue (95%)



- Cyan (45%)
- Magenta (50%)
- Yellow (0%)
- Black (5%)



- Cyan (48%)
- Magenta (53%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.8303, 0.2246, 0.1720 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 24.8303, 0.2246, 0.1720 by changing the saturation by 10% instead.

■ 24.8303, 0.2246,
0.1720

■ 24.8303, 0.2246,
0.1720

■ 276.9918, 0.2719,
0.2472

■ 15.9507, 0.2124,
0.1551

■ 51.3818, 0.2422,
0.1981

■ 9.4893, 0.1969,
0.1348

■ 69.8224, 0.2487,
0.2082

■ 5.0617, 0.1766,
0.1104

■ 92.2189, 0.2542,
0.2170

■ 2.2835, 0.1498,
0.0812

■ 118.9555, 0.2588,
0.2246

■ 0.7649, 0.1141,
0.0479

■ 150.4167, 0.2628,
0.2313

■ 0.0000, 0.0657,
0.0000

■ 186.9869, 0.2663,

■ 0.0000, 0.0000,

0.2372

0.0000

229.0504, 0.2693,
0.2425

■ 24.8303, 0.2246,
0.1720

■ 24.8303, 0.2246,
0.1720

■ 18.1455, 0.2045,
0.1384

■ 33.3495, 0.2449,
0.2069

■ 13.1571, 0.1860,
0.1087

■ 43.8224, 0.2644,
0.2410

■ 9.7118, 0.1706,
0.0852


■ 56.3610, 0.2822,
0.2730

■ 7.6267, 0.1595,
0.0695

■ 71.0682, 0.2982,
0.3021

■ 6.6306, 0.1530,
0.0617

■ 88.0399, 0.3122,
0.3280

 99.1924, 0.3203,
0.3415

Harmonies

Analogous

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



24.8303, 0.1583, 0.1658



24.8303, 0.2246, 0.1720



24.8303, 0.3314, 0.2058

Triad

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



24.8303, 0.2246, 0.1720



24.8303, 0.5296, 0.4081



24.8303, 0.1762, 0.3923

Complementary

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



24.8303, 0.2246, 0.1720



81.5279, 0.3770, 0.4557

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.



24.8303, 0.2612, 0.5212



24.8303, 0.2246, 0.1720



24.8303, 0.4631, 0.4892

Square

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



24.8303, 0.2246, 0.1720



24.8303, 0.5327, 0.3319



24.8303, 0.3657, 0.5488



24.8303, 0.1331, 0.2644

Rectangle

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



24.8303, 0.2246, 0.1720



24.8303, 0.4150, 0.2417



24.8303, 0.3657, 0.5488



24.8303, 0.2005, 0.4409

Sweetspot

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



24.8311, 0.2246, 0.1720



72.0644, 0.2911, 0.2890



66.8986, 0.2441, 0.3139



14.6833, 0.2877, 0.2828



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.



24.8311, 0.2246, 0.1720



19.9487, 0.2031, 0.1361



31.2061, 0.2736, 0.1906



15.3097, 0.2996, 0.3047



3.5890, 0.1537, 0.0621



0.3252, 0.1618, 0.0665

Inverse Universe

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



37.9659, 0.3306, 0.2184



36.4631, 0.3352, 0.1996



73.2883, 0.3343, 0.4760



16.0006, 0.3154, 0.3082



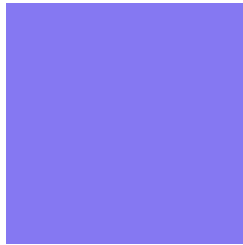
12.8197, 0.3498, 0.1701



1.0748, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 24.8303, 0.2246, 0.1720 looks on a white background.

Color Contrast Check

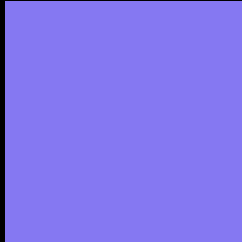
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8303, 0.2246, 0.1720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

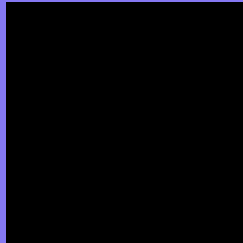
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8303, 0.2246, 0.1720

Background



This preview shows how black text looks on a background with the Yxy color 24.8303, 0.2246, 0.1720.



This preview shows how white text looks on a background with the Yxy color 24.8303, 0.2246, 0.1720.

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

24.8303, 0.2246, 0.1720

Protanopia

25.0360, 0.1909, 0.1659

Deuteranopia

25.0801, 0.1916, 0.1853



Tritanopia

24.8971, 0.2702, 0.3096

Trichromacy



Original Color

24.8303, 0.2246, 0.1720

Protanomaly

24.7202, 0.2000, 0.1671

Deuteranomaly

24.2139, 0.1989, 0.1778

Tritanomaly

24.4045, 0.2514, 0.2479

Monochromacy



Original Color

24.8303, 0.2246, 0.1720

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.6014, 0.2744, 0.2585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8303, 0.2246, 0.1720 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(133, 120, 242)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 242)  
}
```

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(133, 120, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 242) }
```

Border

The CSS property to change the border of an element to Yxy 24.8303, 0.2246, 0.1720 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(133, 120, 242) }
```

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

```
.border{ border-color:rgb(133, 120, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 120, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 120, 242); box-shadow:4px 4px 4px 4px rgb(133, 120, 242) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8303, 0.2246, 0.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 242) }
```

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

```
.background{ background-color: rgb(133,  
120, 242) }
```

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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