

Converting Colors

$Y_{xy}(24.9751, 0.2261, 0.1714)$

Have a look what the booklet for
Yxy(24.9751, 0.2261, 0.1714)
contains.

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Color

Yxy(24.8990, 0.2260, 0.1709)

Conversions

Conversions Part 1

Format	Color
Hex	8877F3
RGB	136, 119, 243
RGB Percent	53%, 47%, 95%
CMY	0.4667, 0.5333, 0.0470
CMYK	0.44, 0.51, 0.00, 0.05
HSL	248°, 84%, 71%
HSV	248°, 51%, 95%
XYZ	32.9267, 24.8990, 87.8677
YIQ	138.2190, -29.6720, 42.1680

Conversions

Conversions Part 2

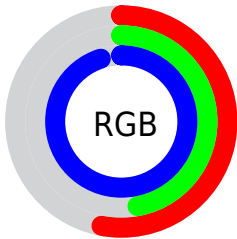
Format	Color
R _Y B	136, 119, 243
Decimal	8943603
CIE _{Lab}	56.98, 36.61, -60.38
CIE _{LCh}	57, 70.610, 301.226
Yxy	24.8990, 0.2260, 0.1709
Android (android.graphics.Color)	4287133683 (0xFF8877F3)
YUV	138.2190, 51.6570, -1.9461
Hunter-Lab	49.8989, 30.4634, -69.4754

Details

The Yxy color **24.8990, 0.2260, 0.1709** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **81.6078, 0.3749, 0.4583**, and the grayscale version is **25.3115, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1944, 0.2695, 0.2360**, and **9.5033, 0.1983, 0.1335** is the 20% darker color. If you saturate the color by 10%, you get **18.2489, 0.2062, 0.1378**, and if you desaturate by 10%, it is **33.3727, 0.2459, 0.2054**.

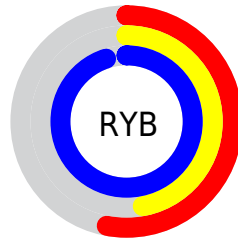
Distribution



Red (53%)

Green (47%)

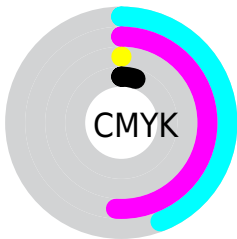
Blue (95%)



Red (53%)

Yellow (47%)

Blue (95%)

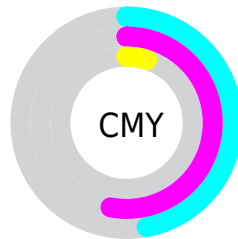


Cyan (44%)

Magenta (51%)

Yellow (0%)

Black (5%)



Cyan (47%)


Magenta (53%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8990, 0.2260, 0.1709 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 24.8990, 0.2260, 0.1709 by changing the saturation by 10% instead.


 24.8990, 0.2260,
0.1709


 24.8990, 0.2260,
0.1709


277.3346, 0.2727,
0.2463


 16.0018, 0.2140,
0.1540


 51.4933, 0.2434,
0.1970

 9.5254, 0.1986,
0.1338


 69.9593, 0.2498,
0.2072

 5.0855, 0.1786,
0.1094


 92.3836, 0.2552,
0.2160

 2.2975, 0.1520,
0.0804

119.1507, 0.2598,
0.2237

 0.7724, 0.1166,
0.0474

150.6449, 0.2637,
0.2304

 0.0000, 0.0694,
0.0000

187.2507, 0.2671,

 0.0000, 0.0000,

0.2364

0.0000

229.3525, 0.2701,
0.2416

■ 24.8990, 0.2260,
0.1709

■ 24.8990, 0.2260,
0.1709

■ 18.2489, 0.2062,
0.1378

■ 33.3727, 0.2459,
0.2054

■ 13.2847, 0.1880,
0.1085

■ 43.7888, 0.2649,
0.2394

■ 9.8529, 0.1725,
0.0854


■ 56.2591, 0.2823,
0.2713

■ 7.7705, 0.1611,
0.0700

■ 70.8861, 0.2978,
0.3005

■ 6.7994, 0.1545,
0.0625

■ 87.7654, 0.3114,
0.3265

 99.2513, 0.3197,
0.3405

Harmonies

Analogous

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



24.8990, 0.1579, 0.1638



24.8990, 0.2260, 0.1709



24.8990, 0.3352, 0.2058

Triad

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



24.8990, 0.2260, 0.1709



24.8990, 0.5308, 0.4105



24.8990, 0.1724, 0.3888

Complementary

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



24.8990, 0.2260, 0.1709



81.6078, 0.3749, 0.4583

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.



24.8990, 0.2571, 0.5219



24.8990, 0.2260, 0.1709



24.8990, 0.4617, 0.4929

Square

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



24.8990, 0.2260, 0.1709



24.8990, 0.5369, 0.3336



24.8990, 0.3625, 0.5528



24.8990, 0.1305, 0.2602

Rectangle

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



24.8990, 0.2260, 0.1709



24.8990, 0.4201, 0.2423



24.8990, 0.3625, 0.5528



24.8990, 0.1964, 0.4385

Sweetspot

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



24.8998, 0.2260, 0.1709



72.2449, 0.2918, 0.2891



65.0431, 0.2424, 0.3085



14.7261, 0.2885, 0.2830



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.



24.8998, 0.2260, 0.1709



20.2766, 0.2060, 0.1374



31.6094, 0.2767, 0.1904



16.0355, 0.3000, 0.3047



3.7646, 0.1553, 0.0629



0.3640, 0.1644, 0.0679

Inverse Universe

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



37.7425, 0.3345, 0.2204



36.1920, 0.3399, 0.2032



73.3788, 0.3317, 0.4793



16.7270, 0.3159, 0.3088



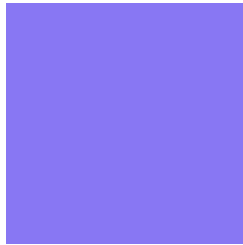
13.0188, 0.3589, 0.1751



1.1548, 0.3534, 0.1720

Previews

White Background



This preview shows how the Yxy color 24.8990, 0.2260, 0.1709 looks on a white background.

Color Contrast Check

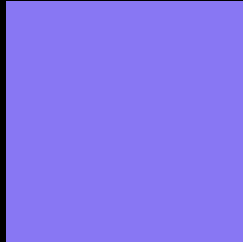
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8990, 0.2260, 0.1709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

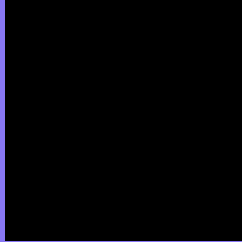
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8990, 0.2260, 0.1709

Background



This preview shows how black text looks on a background with the Yxy color 24.8990, 0.2260, 0.1709.



This preview shows how white text looks on a background with the Yxy color 24.8990, 0.2260, 0.1709.

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

24.8990, 0.2260, 0.1709

Protanopia

25.0621, 0.1903, 0.1650

Deuteranopia

25.1128, 0.1910, 0.1843



Tritanopia

24.8275, 0.2745, 0.3097

Trichromacy



Original Color

24.8990, 0.2260, 0.1709

Protanomaly

24.5767, 0.1998, 0.1652

Deuteranomaly

24.3177, 0.1990, 0.1771

Tritanomaly

24.3428, 0.2537, 0.2468

Monochromacy



Original Color

24.8990, 0.2260, 0.1709

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.6856, 0.2753, 0.2587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8990, 0.2260, 0.1709 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(136, 119, 243)` looks like.

```
.text, #text, p{  
    color:rgb(136, 119, 243)  
}
```

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(136, 119, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 119, 243) }
```

Border

The CSS property to change the border of an element to Yxy 24.8990, 0.2260, 0.1709 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(136, 119, 243) }
```

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

```
.border{ border-color:rgb(136, 119, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 119, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 119, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 119, 243);  
box-shadow:4px 4px 4px 4px rgb(136, 119,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8990, 0.2260, 0.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 119, 243) }
```

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

```
.background{ background-color: rgb(136,  
119, 243) }
```

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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