

Converting Colors

$Y_{xy}(24.4783, 0.2720, 0.2215)$

Have a look what the booklet for
Yxy(24.4783, 0.2720, 0.2215)
contains.

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Color

Yxy(24.4783, 0.2720, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	9979C5
RGB	153, 121, 197
RGB Percent	60%, 47%, 77%
CMY	0.3998, 0.5255, 0.2274
CMYK	0.22, 0.39, 0.00, 0.23
HSL	265°, 40%, 62%
HSV	265°, 39%, 77%
XYZ	30.0591, 24.4783, 55.9741
YIQ	139.2320, -5.3240, 30.4200

Conversions

Conversions Part 2

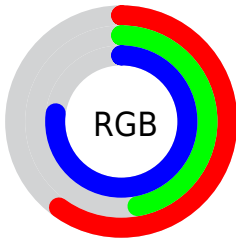
Format	Color
R _Y B	153, 121, 197
Decimal	10058181
CIE Lab	56.56, 27.88, -35.11
CIE LCh	57, 44.832, 308.457
Yxy	24.4783, 0.2720, 0.2215
Android (android.graphics.Color)	4288248261 (0xFF9979C5)
YUV	139.2320, 28.4796, 12.0745
Hunter-Lab	49.4755, 21.8664, -32.4448

Details

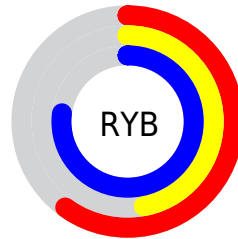
The Yxy color **24.4783, 0.2720, 0.2215** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.3160, 0.3421, 0.4334**, and the grayscale version is **25.8041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9832, 0.2814, 0.2419**, and **9.3272, 0.2558, 0.1904** is the 20% darker color. If you saturate the color by 10%, you get **19.1138, 0.2582, 0.1909**, and if you desaturate by 10%, it is **30.9284, 0.2846, 0.2518**.

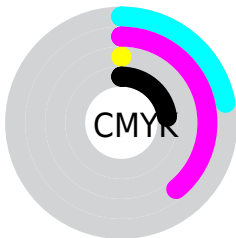
Distribution



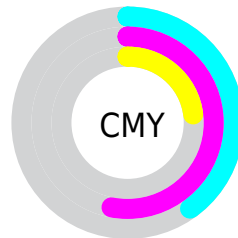
- Red (60%)
- Green (47%)
- Blue (77%)



- Red (60%)
- Yellow (47%)
- Blue (77%)



- Cyan (22%)
- Magenta (39%)
- Yellow (0%)
- Black (23%)





- Cyan (40%)
- Magenta (53%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4783, 0.2720, 0.2215 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 24.4783, 0.2720, 0.2215 by changing the saturation by 10% instead.


 24.4783, 0.2720,
0.2215


 24.4783, 0.2720,
0.2215


275.2298, 0.2952,
0.2763

 15.6888, 0.2653,
0.2078

 50.8096, 0.2811,
0.2415

 9.3042, 0.2563,
0.1903


 69.1202, 0.2843,
0.2490

 4.9401, 0.2433,
0.1675


 91.3733, 0.2869,
0.2553

 2.2122, 0.2239,
0.1368

117.9532, 0.2891,
0.2607

 0.7266, 0.1927,
0.0940

149.2445, 0.2910,
0.2654

 0.0000, 0.1136,
0.0000

185.6314, 0.2926,

 0.0000, 0.0000,

0.2695

0.0000

227.4983, 0.2940,
0.2731

■ 24.4783, 0.2720,
0.2215

■ 24.4783, 0.2720,
0.2215

■ 19.1138, 0.2582,
0.1909

■ 30.9284, 0.2846,
0.2518

■ 14.7692, 0.2436,
0.1613

■ 38.5190, 0.2957,
0.2807

■ 11.3757, 0.2287,
0.1342

■ 47.3044, 0.3055,
0.3076

■ 8.8548, 0.2142,
0.1113

■ 57.3348, 0.3138,
0.3323

■ 7.1144, 0.2008,
0.0939

■ 68.6574, 0.3209,
0.3546

6.0080, 0.1891,
0.0822

81.3168, 0.3269,
0.3746

5.8738, 0.1876,
0.0807

92.8436, 0.3324,
0.3888

94.8218, 0.3400,
0.3874

96.8120, 0.3472,
0.3860

Harmonies

Analogous

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



24.4783, 0.2145, 0.2120



24.4783, 0.2720, 0.2215



24.4783, 0.3493, 0.2524

Triad

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



24.4783, 0.2720, 0.2215



24.4783, 0.4560, 0.4113



24.4783, 0.2093, 0.3483

Complementary

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



24.4783, 0.2720, 0.2215



49.3160, 0.3421, 0.4334

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.



24.4783, 0.2653, 0.4288



24.4783, 0.2720, 0.2215



24.4783, 0.4081, 0.4578

Square

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



24.4783, 0.2720, 0.2215



24.4783, 0.4639, 0.3548



24.4783, 0.3382, 0.4709



24.4783, 0.1819, 0.2735

Rectangle

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



24.4783, 0.2720, 0.2215



24.4783, 0.4011, 0.2824



24.4783, 0.3382, 0.4709



24.4783, 0.2251, 0.3766

Sweetspot

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



24.4793, 0.2720, 0.2215



78.8029, 0.3021, 0.2982



35.1280, 0.2527, 0.2820



16.4159, 0.3009, 0.2947



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.



24.4793, 0.2720, 0.2215



35.8951, 0.2609, 0.1966



28.7382, 0.3105, 0.2328



10.5023, 0.3047, 0.3056



3.9096, 0.1889, 0.0814



0.2275, 0.2131, 0.0948

Inverse Universe

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



28.2590, 0.3524, 0.2717



43.7852, 0.3643, 0.2599



45.8574, 0.3119, 0.4439



10.7381, 0.3201, 0.3157



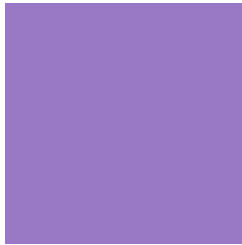
8.6229, 0.4613, 0.2315



0.4225, 0.4244, 0.2112

Previews

White Background



This preview shows how the Yxy color 24.4783, 0.2720, 0.2215 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 24.4783, 0.2720, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

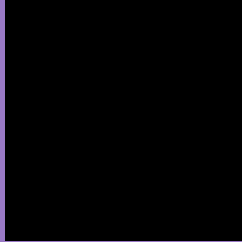
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.4783, 0.2720, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 24.4783, 0.2720, 0.2215.



This preview shows how white text looks on a background with the Yxy color 24.4783, 0.2720, 0.2215.

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

24.4783, 0.2720, 0.2215

Protanopia

24.5950, 0.2306, 0.2175

Deuteranopia

24.7337, 0.2414, 0.2368



Tritanopia

24.3253, 0.3136, 0.3109

Trichromacy



Original Color

24.4783, 0.2720, 0.2215

Protanomaly

24.4479, 0.2443, 0.2193

Deuteranomaly

24.4946, 0.2518, 0.2307

Tritanomaly

24.2857, 0.2976, 0.2741

Monochromacy



Original Color

24.4783, 0.2720, 0.2215

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

24.9699, 0.2973, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4783, 0.2720, 0.2215 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(153, 121, 197)` looks like.

```
.text, #text, p{  
    color:rgb(153, 121, 197)  
}
```

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(153, 121, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 121, 197) }
```

Border

The CSS property to change the border of an element to Yxy 24.4783, 0.2720, 0.2215 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(153, 121, 197) }
```

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

```
.border{ border-color:rgb(153, 121, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 121, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 121, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 121, 197);  
box-shadow:4px 4px 4px 4px rgb(153, 121,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4783, 0.2720, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 121, 197) }
```

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

```
.background{ background-color: rgb(153,  
121, 197) }
```

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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