

Converting Colors

$Y_{xy}(25.3513, 0.2369, 0.1780)$

Have a look what the booklet for
Yxy(25.3513, 0.2369, 0.1780)
contains.

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Color

Yxy(25.4191, 0.2369, 0.1785)

Conversions

Conversions Part 1

Format	Color
Hex	9277ED
RGB	146, 119, 237
RGB Percent	57%, 47%, 93%
CMY	0.4275, 0.5333, 0.0706
CMYK	0.38, 0.50, 0.00, 0.07
HSL	254°, 77%, 70%
HSV	254°, 50%, 93%
XYZ	33.7355, 25.4191, 83.2493
YIQ	140.5250, -21.7860, 42.4220

Conversions

Conversions Part 2

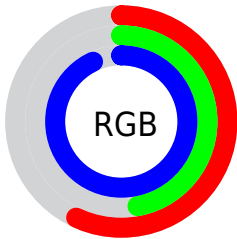
Format	Color
R _Y B	146, 119, 237
Decimal	9598957
CIE Lab	57.48, 37.28, -56.19
CIE LCh	57, 67.433, 303.565
Yxy	25.4191, 0.2369, 0.1785
Android (android.graphics.Color)	4287789037 (0xFF9277ED)
YUV	140.5250, 47.5622, 4.8016
Hunter-Lab	50.4174, 31.2083, -62.6077

Details

The Yxy color **25.4191, 0.2369, 0.1785** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **75.6048, 0.3655, 0.4591**, and the grayscale version is **26.2585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5624, 0.2769, 0.2378**, and **9.7995, 0.2119, 0.1427** is the 20% darker color. If you saturate the color by 10%, you get **18.9212, 0.2183, 0.1461**, and if you desaturate by 10%, it is **33.5930, 0.2551, 0.2119**.

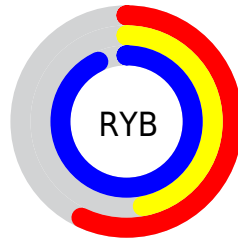
Distribution



Red (57%)

Green (47%)

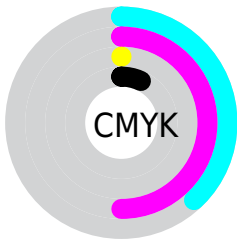
Blue (93%)



Red (57%)

Yellow (47%)

Blue (93%)

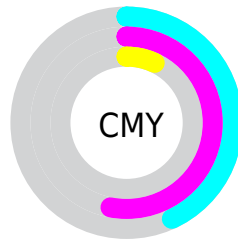


Cyan (38%)

Magenta (50%)

Yellow (0%)

Black (7%)



Cyan (43%)


Magenta (53%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4191, 0.2369, 0.1785 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 25.4191, 0.2369, 0.1785 by changing the saturation by 10% instead.


 25.4191, 0.2369,
0.1785


 25.4191, 0.2369,
0.1785


279.9187, 0.2782,
0.2508


 16.3896, 0.2260,
0.1621


 52.3363, 0.2524,
0.2037

 9.8002, 0.2120,
0.1423


 70.9928, 0.2581,
0.2135

 5.2667, 0.1934,
0.1181


 93.6270, 0.2629,
0.2219

 2.4046, 0.1682,
0.0888

120.6235, 0.2669,
0.2292

 0.8282, 0.1334,
0.0547

152.3664, 0.2704,
0.2356

 0.0000, 0.0864,
0.0000

189.2404, 0.2733,

 0.0000, 0.0000,

0.2413

0.0000

231.6297, 0.2759,
0.2463

■ 25.4191, 0.2369,
0.1785

■ 25.4191, 0.2369,
0.1785

■ 18.9212, 0.2183,
0.1461

■ 33.5930, 0.2551,
0.2119

■ 13.9772, 0.2004,
0.1170

■ 43.5475, 0.2721,
0.2447

■ 10.4527, 0.1843,
0.0932

■ 55.3819, 0.2875,
0.2757

■ 8.1878, 0.1711,
0.0763

■ 69.1873, 0.3011,
0.3040

■ 6.9263, 0.1614,
0.0664

■ 85.0488, 0.3130,
0.3295

■ 6.9044, 0.1613,
0.0662

■ 98.8945, 0.3232,
0.3464

Harmonies

Analogous

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



25.4191, 0.1676, 0.1696



25.4191, 0.2369, 0.1785



25.4191, 0.3439, 0.2144

Triad

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



25.4191, 0.2369, 0.1785



25.4191, 0.5189, 0.4161



25.4191, 0.1742, 0.3753

Complementary

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



25.4191, 0.2369, 0.1785



75.6048, 0.3655, 0.4591

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.



25.4191, 0.2535, 0.5031



25.4191, 0.2369, 0.1785



25.4191, 0.4509, 0.4937

Square

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



25.4191, 0.2369, 0.1785



25.4191, 0.5287, 0.3408



25.4191, 0.3547, 0.5434



25.4191, 0.1360, 0.2571

Rectangle

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



25.4191, 0.2369, 0.1785



25.4191, 0.4241, 0.2509



25.4191, 0.3547, 0.5434



25.4191, 0.1965, 0.4217

Sweetspot

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



25.4200, 0.2369, 0.1785



72.8046, 0.2942, 0.2894



56.8421, 0.2414, 0.2964



14.8592, 0.2912, 0.2833



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.



25.4200, 0.2369, 0.1785



22.0404, 0.2175, 0.1447



32.0863, 0.2870, 0.1973



14.7151, 0.3015, 0.3049



3.8181, 0.1625, 0.0669



0.3421, 0.1758, 0.0742

Inverse Universe

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



35.8538, 0.3449, 0.2326



35.9305, 0.3541, 0.2159



68.6188, 0.3250, 0.4782



15.2514, 0.3173, 0.3110



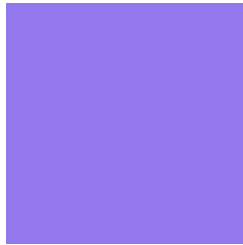
11.7127, 0.3887, 0.1915



0.9341, 0.3774, 0.1852

Previews

White Background



This preview shows how the Yxy color 25.4191, 0.2369, 0.1785 looks on a white background.

Color Contrast Check

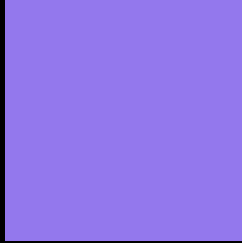
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4191, 0.2369, 0.1785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

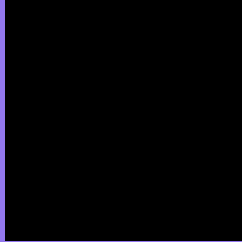
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4191, 0.2369, 0.1785

Background



This preview shows how black text looks on a background with the Yxy color 25.4191, 0.2369, 0.1785.



This preview shows how white text looks on a background with the Yxy color 25.4191, 0.2369, 0.1785.

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

25.4191, 0.2369, 0.1785

Protanopia

25.7407, 0.1947, 0.1709

Deuteranopia

25.6880, 0.1997, 0.1933



Tritanopia

25.4262, 0.2876, 0.3103

Trichromacy



Original Color

25.4191, 0.2369, 0.1785



Protanomaly

25.2995, 0.2059, 0.1723



Deuteranomaly

25.0397, 0.2094, 0.1863



Tritanomaly

24.8665, 0.2666, 0.2514

Monochromacy



Original Color

25.4191, 0.2369, 0.1785



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.7493, 0.2814, 0.2630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4191, 0.2369, 0.1785 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(146, 119, 237)` looks like.

```
.text, #text, p{  
    color:rgb(146, 119, 237)  
}
```

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(146, 119, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 119, 237) }
```

Border

The CSS property to change the border of an element to Yxy 25.4191, 0.2369, 0.1785 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(146, 119, 237) }
```

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

```
.border{ border-color:rgb(146, 119, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 119, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 119, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 119, 237);  
box-shadow:4px 4px 4px 4px rgb(146, 119,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4191, 0.2369, 0.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 119, 237) }
```

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

```
.background{ background-color: rgb(146,  
119, 237) }
```

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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