

Converting Colors

$Y_{xy}(25.8109, 0.2387, 0.1743)$

Have a look what the booklet for
Yxy(25.8109, 0.2387, 0.1743)
contains.

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Color

Yxy(25.8088, 0.2383, 0.1741)

Conversions

Conversions Part 1

Format	Color
Hex	9875F2
RGB	152, 117, 242
RGB Percent	60%, 46%, 95%
CMY	0.4041, 0.5410, 0.0511
CMYK	0.37, 0.52, 0.00, 0.05
HSL	257°, 83%, 70%
HSV	257°, 52%, 95%
XYZ	35.3259, 25.8088, 87.1066
YIQ	141.7150, -19.2650, 46.2950

Conversions

Conversions Part 2

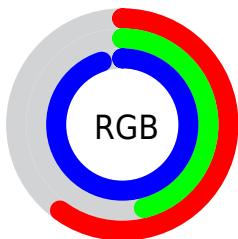
Format	Color
R_{YB}	152, 117, 242
Decimal	9991666
CIE _{Lab}	57.86, 41.15, -58.33
CIE _{LCh}	58, 71.382, 305.203
Yxy	25.8088, 0.2383, 0.1741
Android (android.graphics.Color)	4288181746 (0xFF9875F2)
YUV	141.7150, 49.4405, 9.0199
Hunter-Lab	50.8024, 35.2175, -66.0979

Details

The Yxy color **25.8088, 0.2383, 0.1741** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **78.0520, 0.3625, 0.4661**, and the grayscale version is **26.7388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6711, 0.2813, 0.2368**, and **9.9500, 0.2138, 0.1374** is the 20% darker color. If you saturate the color by 10%, you get **19.3193, 0.2205, 0.1428**, and if you desaturate by 10%, it is **34.0046, 0.2557, 0.2069**.

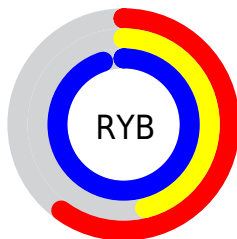
Distribution



Red (60%)

Green (46%)

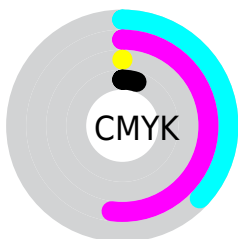
Blue (95%)



Red (60%)

Yellow (46%)

Blue (95%)

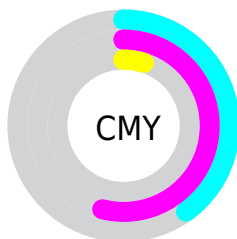


Cyan (37%)

Magenta (52%)

Yellow (0%)

Black (5%)



Cyan (40%)


Magenta (54%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8088, 0.2383, 0.1741 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 25.8088, 0.2383, 0.1741 by changing the saturation by 10% instead.


 25.8088, 0.2383,
0.1741


 25.8088, 0.2383,
0.1741


281.8422, 0.2789,
0.2476


 16.6807, 0.2276,
0.1577


 52.9663, 0.2536,
0.1995

 10.0071, 0.2139,
0.1379


 71.7645, 0.2592,
0.2094

 5.4036, 0.1957,
0.1140


 94.5548, 0.2639,
0.2180

 2.4860, 0.1711,
0.0854

121.7217, 0.2678,
0.2255

 0.8696, 0.1373,
0.0526

153.6494, 0.2712,
0.2321

 0.0000, 0.0934,
0.0000

190.7225, 0.2741,

 0.0000, 0.0000,

0.2378

0.0000

233.3253, 0.2767,
0.2430

■ 25.8088, 0.2383,
0.1741

■ 25.8088, 0.2383,
0.1741

■ 19.3193, 0.2205,
0.1428

■ 34.0046, 0.2557,
0.2069

■ 14.4079, 0.2033,
0.1150

■ 44.0166, 0.2720,
0.2394

■ 10.9321, 0.1877,
0.0926


■ 55.9483, 0.2867,
0.2704

■ 8.7209, 0.1748,
0.0771

■ 69.8949, 0.2997,
0.2990

■ 7.6243, 0.1663,
0.0690

■ 85.9449, 0.3110,
0.3250

 99.1895, 0.3203,
0.3415

Harmonies

Analogous

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



25.8088, 0.1647, 0.1631



25.8088, 0.2383, 0.1741



25.8088, 0.3519, 0.2124

Triad

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



25.8088, 0.2383, 0.1741



25.8088, 0.5244, 0.4213



25.8088, 0.1644, 0.3692

Complementary

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



25.8088, 0.2383, 0.1741



78.0520, 0.3625, 0.4661

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.



25.8088, 0.2441, 0.5083



25.8088, 0.2383, 0.1741



25.8088, 0.4496, 0.5031

Square

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



25.8088, 0.2383, 0.1741



25.8088, 0.5407, 0.3434



25.8088, 0.3484, 0.5553



25.8088, 0.1282, 0.2475

Rectangle

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



25.8088, 0.2383, 0.1741



25.8088, 0.4363, 0.2506



25.8088, 0.3484, 0.5553



25.8088, 0.1864, 0.4188

Sweetspot

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



25.8097, 0.2383, 0.1741



73.1189, 0.2955, 0.2896



55.6279, 0.2375, 0.2867



14.9341, 0.2927, 0.2835



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.



25.8097, 0.2383, 0.1741



21.4199, 0.2196, 0.1412



33.2598, 0.2914, 0.1947



15.4425, 0.3023, 0.3049



4.1555, 0.1678, 0.0698



0.3938, 0.1813, 0.0772

Inverse Universe

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



36.1123, 0.3533, 0.2352



34.4855, 0.3649, 0.2198



70.9047, 0.3213, 0.4863



15.9517, 0.3181, 0.3121



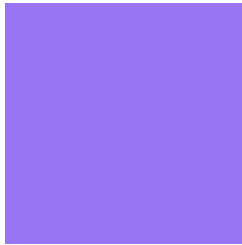
11.8153, 0.4069, 0.2015



0.9998, 0.3929, 0.1938

Previews

White Background



This preview shows how the Yxy color 25.8088, 0.2383, 0.1741 looks on a white background.

Color Contrast Check

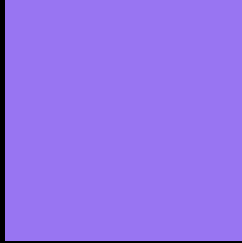
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8088, 0.2383, 0.1741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

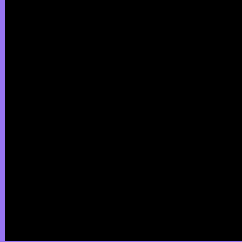
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8088, 0.2383, 0.1741

Background



This preview shows how black text looks on a background with the Yxy color 25.8088, 0.2383, 0.1741.



This preview shows how white text looks on a background with the Yxy color 25.8088, 0.2383, 0.1741.

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

25.8088, 0.2383, 0.1741

Protanopia

26.1676, 0.1937, 0.1698

Deuteranopia

26.0639, 0.1973, 0.1906



Tritanopia

25.8961, 0.2937, 0.3106

Trichromacy



Original Color

25.8088, 0.2383, 0.1741



Protanomaly

25.3437, 0.2055, 0.1691



Deuteranomaly

25.3312, 0.2073, 0.1819



Tritanomaly

25.4522, 0.2706, 0.2500

Monochromacy



Original Color

25.8088, 0.2383, 0.1741



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

26.1004, 0.2826, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8088, 0.2383, 0.1741 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(152, 117, 242)` looks like.

```
.text, #text, p{  
    color:rgb(152, 117, 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(152, 117, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 117, 242) }
```

Border

The CSS property to change the border of an element to Yxy 25.8088, 0.2383, 0.1741 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(152, 117, 242) }
```

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

```
.border{ border-color:rgb(152, 117, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 117, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 117, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 117, 242);  
box-shadow:4px 4px 4px 4px rgb(152, 117,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8088, 0.2383, 0.1741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 117, 242) }
```

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

```
.background{ background-color: rgb(152,  
117, 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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