

Converting Colors

$Y_{xy}(25.8005, 0.2477, 0.1770)$

Have a look what the booklet for
Yxy(25.8005, 0.2477, 0.1770)
contains.

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Color

Yxy(25.7847, 0.2478, 0.1767)

Conversions

Conversions Part 1

Format	Color
Hex	A172EE
RGB	161, 114, 238
RGB Percent	63%, 45%, 93%
CMY	0.3684, 0.5531, 0.0666
CMYK	0.32, 0.52, 0.00, 0.07
HSL	263°, 79%, 69%
HSV	263°, 52%, 93%
XYZ	36.1599, 25.7847, 83.9790
YIQ	142.1890, -11.7920, 48.5280

Conversions

Conversions Part 2

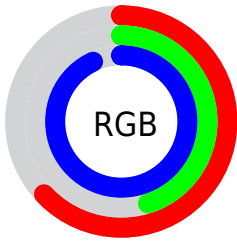
Format	Color
RYB	161, 114, 238
Decimal	10580718
CIELab	57.83, 44.06, -56.12
CIELCh	58, 71.345, 308.134
Yxy	25.7847, 0.2478, 0.1767
Android (android.graphics.Color)	4288770798 (0xFFA172EE)
YUV	142.1890, 47.2348, 16.4972
Hunter-Lab	50.7786, 38.2486, -62.5103

Details

The Yxy color **25.7847, 0.2478, 0.1767** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **73.4451, 0.3538, 0.4717**, and the grayscale version is **26.9430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9175, 0.2881, 0.2354**, and **10.0062, 0.2260, 0.1413** is the 20% darker color. If you saturate the color by 10%, you get **19.6531, 0.2319, 0.1470**, and if you desaturate by 10%, it is **33.4960, 0.2631, 0.2081**.

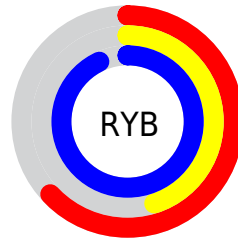
Distribution



Red (63%)

Green (45%)

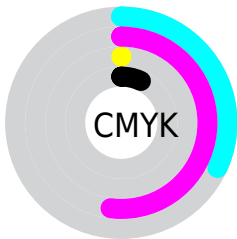
Blue (93%)



Red (63%)

Yellow (45%)

Blue (93%)

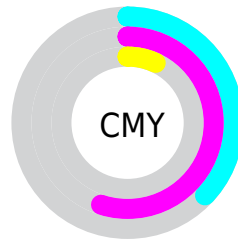


Cyan (32%)

Magenta (52%)

Yellow (0%)

Black (7%)



Cyan (37%)

Magenta (55%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7847, 0.2478, 0.1767 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 25.7847, 0.2478, 0.1767 by changing the saturation by 10% instead.


 25.7847, 0.2478,
0.1767


 25.7847, 0.2478,
0.1767


281.7236, 0.2839,
0.2491


 16.6626, 0.2381,
0.1605


 52.9274, 0.2615,
0.2018


 9.9943, 0.2255,
0.1408


 71.7169, 0.2665,
0.2116

 5.3951, 0.2086,
0.1170


 94.4975, 0.2706,
0.2200

 2.4809, 0.1853,
0.0883

 121.6539, 0.2741,
0.2273

 0.8671, 0.1524,
0.0550

153.5703, 0.2771,
0.2338

 0.0000, 0.1085,
0.0000

190.6311, 0.2797,

 0.0000, 0.0000,

0.2395

0.0000

233.2207, 0.2819,
0.2445

■ 25.7847, 0.2478,
0.1767

■ 25.7847, 0.2478,
0.1767

■ 19.6531, 0.2319,
0.1470

■ 33.4960, 0.2631,
0.2081

■ 14.9814, 0.2161,
0.1206

■ 42.8891, 0.2773,
0.2394

■ 11.6362, 0.2014,
0.0993


■ 54.0606, 0.2900,
0.2697

■ 9.4569, 0.1884,
0.0843

■ 67.0986, 0.3012,
0.2979

■ 8.3664, 0.1797,
0.0764

■ 82.0857, 0.3109,
0.3238

 97.9561, 0.3192,
0.3455

 98.9545, 0.3226,
0.3454

Harmonies

Analogous

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



25.7847, 0.1701, 0.1630



25.7847, 0.2478, 0.1767



25.7847, 0.3644, 0.2175

Triad

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



25.7847, 0.2478, 0.1767



25.7847, 0.5190, 0.4293



25.7847, 0.1589, 0.3550

Complementary

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



25.7847, 0.2478, 0.1767



73.4451, 0.3538, 0.4717

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.



25.7847, 0.2347, 0.4971



25.7847, 0.2478, 0.1767



25.7847, 0.4405, 0.5105

Square

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



25.7847, 0.2478, 0.1767



25.7847, 0.5426, 0.3507



25.7847, 0.3380, 0.5561



25.7847, 0.1269, 0.2388

Rectangle

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



25.7847, 0.2478, 0.1767



25.7847, 0.4478, 0.2569



25.7847, 0.3380, 0.5561



25.7847, 0.1795, 0.4041

Sweetspot

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



25.7856, 0.2478, 0.1767



72.1860, 0.2970, 0.2871



47.6856, 0.2336, 0.2695



14.7764, 0.2947, 0.2812



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.



25.7856, 0.2478, 0.1767



22.2899, 0.2301, 0.1438



33.6502, 0.3029, 0.1982



15.5211, 0.3039, 0.3050



4.7349, 0.1813, 0.0772



0.4492, 0.1959, 0.0853

Inverse Universe

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



33.9673, 0.3678, 0.2465



33.2234, 0.3853, 0.2327



67.1641, 0.3139, 0.4914



15.9237, 0.3196, 0.3145



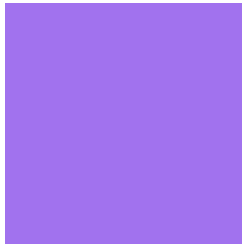
11.3536, 0.4457, 0.2229



0.9638, 0.4248, 0.2114

Previews

White Background



This preview shows how the Yxy color 25.7847, 0.2478, 0.1767 looks on a white background.

Color Contrast Check

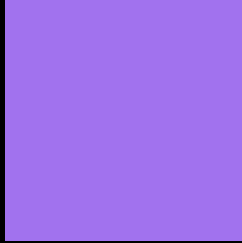
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7847, 0.2478, 0.1767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

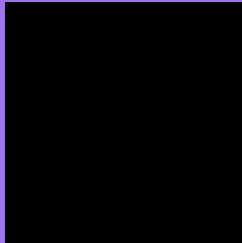
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7847, 0.2478, 0.1767

Background



This preview shows how black text looks on a background with the Yxy color 25.7847, 0.2478, 0.1767.



This preview shows how white text looks on a background with the Yxy color 25.7847, 0.2478, 0.1767.

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

25.7847, 0.2478, 0.1767

Protanopia

26.1676, 0.1937, 0.1698

Deuteranopia

26.0782, 0.2020, 0.1962



Tritanopia

25.8375, 0.3091, 0.3127

Trichromacy



Original Color

25.7847, 0.2478, 0.1767



Protanomaly

25.2064, 0.2073, 0.1692



Deuteranomaly

25.2373, 0.2136, 0.1865



Tritanomaly

25.4798, 0.2846, 0.2529

Monochromacy



Original Color

25.7847, 0.2478, 0.1767



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

26.0664, 0.2865, 0.2613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7847, 0.2478, 0.1767 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(161, 114, 238)` looks like.

```
.text, #text, p{  
    color:rgb(161, 114, 238)  
}
```

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(161, 114, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 114, 238) }
```

Border

The CSS property to change the border of an element to Yxy 25.7847, 0.2478, 0.1767 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(161, 114, 238) }
```

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

```
.border{ border-color:rgb(161, 114, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 114, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 114, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 114, 238);  
box-shadow:4px 4px 4px 4px rgb(161, 114,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7847, 0.2478, 0.1767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 114, 238) }
```

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

```
.background{ background-color: rgb(161,  
114, 238) }
```

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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