

Converting Colors

$Y_{xy}(25.3565, 0.2638, 0.1888)$

Have a look what the booklet for
Yxy(25.3565, 0.2638, 0.1888)
contains.

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Color

Yxy(25.2950, 0.2637, 0.1884)

Conversions

Conversions Part 1

Format	Color
Hex	A870E0
RGB	168, 112, 224
RGB Percent	66%, 44%, 88%
CMY	0.3411, 0.5609, 0.1214
CMYK	0.25, 0.50, 0.00, 0.12
HSL	270°, 64%, 66%
HSV	270°, 50%, 88%
XYZ	35.4049, 25.2950, 73.5623
YIQ	141.5120, -2.5760, 46.7040

Conversions

Conversions Part 2

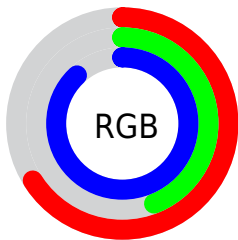
Format	Color
R _Y B	168, 112, 224
Decimal	11038944
CIE Lab	57.36, 43.54, -49.01
CIE LCh	57, 65.559, 311.622
Yxy	25.2950, 0.2637, 0.1884
Android (android.graphics.Color)	4289229024 (0xFFA870E0)
YUV	141.5120, 40.6666, 23.2300
Hunter-Lab	50.2941, 37.6417, -51.5141

Details

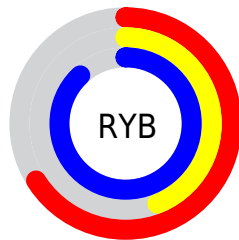
The Yxy color **25.2950, 0.2637, 0.1884** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **62.8236, 0.3423, 0.4702**, and the grayscale version is **26.6857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1378, 0.2928, 0.2346**, and **9.7831, 0.2457, 0.1541** is the 20% darker color. If you saturate the color by 10%, you get **19.7761, 0.2507, 0.1602**, and if you desaturate by 10%, it is **32.1513, 0.2759, 0.2181**.

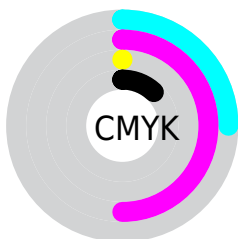
Distribution



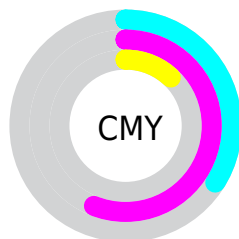
- Red (66%)
- Green (44%)
- Blue (88%)



- Red (66%)
- Yellow (44%)
- Blue (88%)



- Cyan (25%)
- Magenta (50%)
- Yellow (0%)
- Black (12%)




- Cyan (34%)
- Magenta (56%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2950, 0.2637, 0.1884 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 25.2950, 0.2637, 0.1884 by changing the saturation by 10% instead.


 25.2950, 0.2637,
0.1884

 25.2950, 0.2637,
0.1884


279.3039, 0.2918,
0.2564


 16.2970, 0.2558,
0.1727


 52.1354, 0.2746,
0.2123

 9.7345, 0.2453,
0.1534


 70.7466, 0.2785,
0.2215

 5.2233, 0.2307,
0.1295


 93.3309, 0.2817,
0.2294

 2.3789, 0.2098,
0.0998

 120.2728, 0.2844,
0.2363

 0.8150, 0.1785,
0.0637

151.9566, 0.2867,
0.2423

 0.0000, 0.1337,
0.0000

188.7668, 0.2886,

 0.0000, 0.0000,

0.2476

0.0000

231.0878, 0.2903,
0.2522

■ 25.2950, 0.2637,
0.1884

■ 25.2950, 0.2637,
0.1884

■ 19.7761, 0.2507,
0.1602

■ 32.1513, 0.2759,
0.2181

■ 15.4962, 0.2374,
0.1349

■ 40.4282, 0.2870,
0.2478

■ 12.3472, 0.2243,
0.1140

■ 50.2050, 0.2969,
0.2766

■ 10.2001, 0.2121,
0.0985

■ 61.5547, 0.3054,
0.3038

■ 8.8322, 0.2011,
0.0882

■ 74.5450, 0.3127,
0.3290

■ 89.2398, 0.3189,
0.3519

■ 96.5715, 0.3254,
0.3596

■ 98.1638, 0.3309,
0.3591

Harmonies

Analogous

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



25.2950, 0.1851, 0.1722



25.2950, 0.2637, 0.1884



25.2950, 0.3750, 0.2302

Triad

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



25.2950, 0.2637, 0.1884



25.2950, 0.5014, 0.4363



25.2950, 0.1632, 0.3392

Complementary

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



25.2950, 0.2637, 0.1884



62.8236, 0.3423, 0.4702

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.



25.2950, 0.2313, 0.4695



25.2950, 0.2637, 0.1884



25.2950, 0.4253, 0.5086

Square

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



25.2950, 0.2637, 0.1884



25.2950, 0.5284, 0.3608



25.2950, 0.3277, 0.5377



25.2950, 0.1360, 0.2371

Rectangle

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



25.2950, 0.2637, 0.1884



25.2950, 0.4503, 0.2693



25.2950, 0.3277, 0.5377



25.2950, 0.1814, 0.3830

Sweetspot

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



25.2960, 0.2637, 0.1884



74.5295, 0.3012, 0.2902



36.8358, 0.2325, 0.2509



15.2721, 0.2994, 0.2844



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.



25.2960, 0.2637, 0.1884



26.2501, 0.2501, 0.1591



32.8211, 0.3183, 0.2090



13.5784, 0.3059, 0.3053



5.2076, 0.2027, 0.0890



0.4142, 0.2194, 0.0983

Inverse Universe

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



30.2641, 0.3810, 0.2644



33.9962, 0.4031, 0.2534



57.9435, 0.3053, 0.4877



13.8142, 0.3214, 0.3173



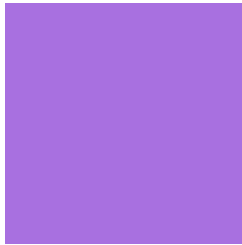
9.9279, 0.4953, 0.2502



0.7062, 0.4612, 0.2314

Previews

White Background



This preview shows how the Yxy color 25.2950, 0.2637, 0.1884 looks on a white background.

Color Contrast Check

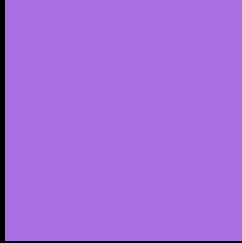
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2950, 0.2637, 0.1884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

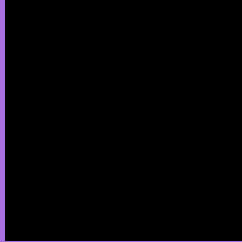
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.2950, 0.2637, 0.1884

Background



This preview shows how black text looks on a background with the Yxy color 25.2950, 0.2637, 0.1884.



This preview shows how white text looks on a background with the Yxy color 25.2950, 0.2637, 0.1884.

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

25.2950, 0.2637, 0.1884

Protanopia

25.6212, 0.1999, 0.1776

Deuteranopia

25.6186, 0.2153, 0.2090



Tritanopia

25.3255, 0.3272, 0.3132

Trichromacy



Original Color

25.2950, 0.2637, 0.1884



Protanomaly

24.7491, 0.2170, 0.1793



Deuteranomaly

24.9140, 0.2287, 0.1989



Tritanomaly

25.0167, 0.3016, 0.2595

Monochromacy



Original Color

25.2950, 0.2637, 0.1884



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.7905, 0.2931, 0.2669

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2950, 0.2637, 0.1884 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(168, 112, 224)` looks like.

```
.text, #text, p{  
    color:rgb(168, 112, 224)  
}
```

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(168, 112, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 112, 224) }
```

Border

The CSS property to change the border of an element to Yxy 25.2950, 0.2637, 0.1884 is called "border". The border property can be set on classes, ids or directly on the HTML element.

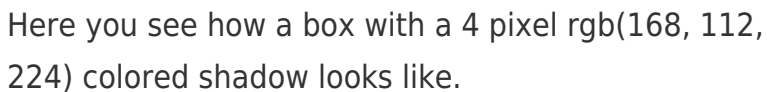
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(168, 112, 224) }
```

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

```
.border{ border-color:rgb(168, 112, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(168, 112, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 112, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 112, 224); box-shadow:4px 4px 4px 4px rgb(168, 112, 224) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2950, 0.2637, 0.1884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 112, 224) }
```

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

```
.background{ background-color: rgb(168,  
112, 224) }
```

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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