

Converting Colors

$Y_{xy}(25.0379, 0.2348, 0.1927)$

Have a look what the booklet for
Yxy(25.0379, 0.2348, 0.1927)
contains.

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Color

Yxy(25.0900, 0.2351, 0.1928)

Conversions

Conversions Part 1

Format	Color
Hex	857DE1
RGB	133, 125, 225
RGB Percent	52%, 49%, 88%
CMY	0.4784, 0.5098, 0.1177
CMYK	0.41, 0.44, 0.00, 0.12
HSL	245°, 62%, 69%
HSV	245°, 44%, 88%
XYZ	30.5947, 25.0900, 74.4502
YIQ	138.7920, -27.3320, 32.7960

Conversions

Conversions Part 2

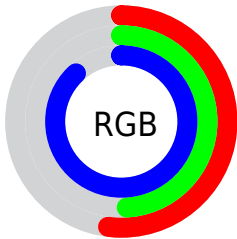
Format	Color
RYB	133, 125, 225
Decimal	8748513
CIELab	57.16, 27.31, -50.05
CIELCh	57, 57.019, 298.617
Yxy	25.0900, 0.2351, 0.1928
Android (android.graphics.Color)	4286938593 (0xFF857DE1)
YUV	138.7920, 42.5005, -5.0796
Hunter-Lab	50.0899, 21.3697, -53.0616

Details

The Yxy color **25.0900, 0.2351, 0.1928** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **70.0702, 0.3723, 0.4404**, and the grayscale version is **25.5771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0079, 0.2673, 0.2421**, and **9.6112, 0.2095, 0.1572** is the 20% darker color. If you saturate the color by 10%, you get **18.5029, 0.2145, 0.1580**, and if you desaturate by 10%, it is **33.3007, 0.2553, 0.2275**.

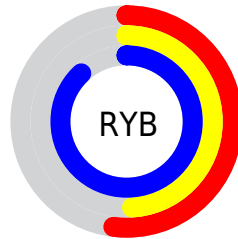
Distribution



Red (52%)

Green (49%)

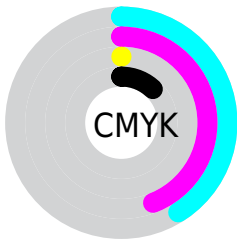
Blue (88%)



Red (52%)

Yellow (49%)

Blue (88%)

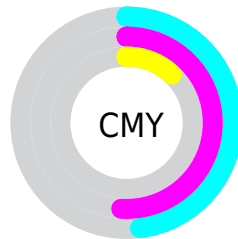


Cyan (41%)

Magenta (44%)

Yellow (0%)

Black (12%)



Cyan (48%)


Magenta (51%)

Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0900, 0.2351, 0.1928 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 25.0900, 0.2351, 0.1928 by changing the saturation by 10% instead.


 25.0900, 0.2351,
0.1928


 25.0900, 0.2351,
0.1928


278.2859, 0.2771,
0.2601


 16.1441, 0.2240,
0.1769


 51.8032, 0.2509,
0.2167

 9.6262, 0.2096,
0.1573


 70.3393, 0.2567,
0.2259

 5.1518, 0.1904,
0.1328


 92.8409, 0.2615,
0.2337

 2.3366, 0.1641,
0.1022

119.6925, 0.2656,
0.2404

 0.7930, 0.1273,
0.0646

151.2784, 0.2691,
0.2463

 0.0000, 0.0656,
0.0000

187.9830, 0.2722,

 0.0000, 0.0000,

0.2514

0.0000

230.1907, 0.2748,
0.2560

■ 25.0900, 0.2351,
0.1928

■ 25.0900, 0.2351,
0.1928

■ 18.5029, 0.2145,
0.1580

■ 33.3007, 0.2553,
0.2275

■ 13.4291, 0.1947,
0.1255

■ 43.2304, 0.2743,
0.2606

■ 9.7484, 0.1774,
0.0979

■ 54.9701, 0.2915,
0.2909

■ 7.3215, 0.1639,
0.0774

■ 68.6037, 0.3066,
0.3180

■ 5.9795, 0.1551,
0.0651

■ 84.2098, 0.3198,
0.3419

■ 5.5637, 0.1521,
0.0612

■ 98.2152, 0.3304,
0.3582

Harmonies

Analogous

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



25.0900, 0.1780, 0.1897



25.0900, 0.2351, 0.1928



25.0900, 0.3238, 0.2215

Triad

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



25.0900, 0.2351, 0.1928



25.0900, 0.4986, 0.4004



25.0900, 0.2029, 0.3882

Complementary

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



25.0900, 0.2351, 0.1928



70.0702, 0.3723, 0.4404

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.



25.0900, 0.2788, 0.4851



25.0900, 0.2351, 0.1928



25.0900, 0.4495, 0.4668

Square

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



25.0900, 0.2351, 0.1928



25.0900, 0.4925, 0.3331



25.0900, 0.3689, 0.5094



25.0900, 0.1605, 0.2836

Rectangle

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



25.0900, 0.2351, 0.1928



25.0900, 0.3918, 0.2527



25.0900, 0.3689, 0.5094



25.0900, 0.2251, 0.4252

Sweetspot

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



25.0909, 0.2351, 0.1928



75.3104, 0.2936, 0.2947



60.1024, 0.2516, 0.3203



15.3158, 0.2900, 0.2884



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.



25.0909, 0.2351, 0.1928



25.4150, 0.2167, 0.1617



30.0077, 0.2767, 0.2069



13.2954, 0.2993, 0.3048



3.2265, 0.1527, 0.0615



0.2421, 0.1601, 0.0655

Inverse Universe

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



35.6824, 0.3254, 0.2281



41.2002, 0.3284, 0.2104



63.6818, 0.3352, 0.4557



13.9157, 0.3150, 0.3077



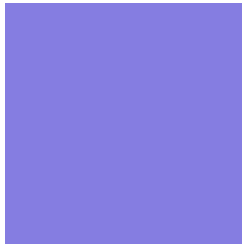
11.8286, 0.3420, 0.1658



0.8256, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 25.0900, 0.2351, 0.1928 looks on a white background.

Color Contrast Check

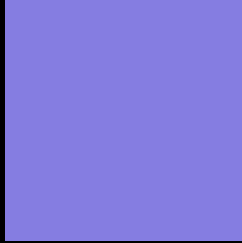
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0900, 0.2351, 0.1928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

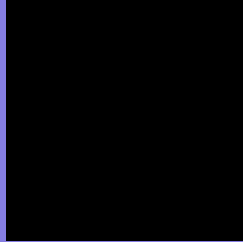
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0900, 0.2351, 0.1928

Background



This preview shows how black text looks on a background with the Yxy color 25.0900, 0.2351, 0.1928.



This preview shows how white text looks on a background with the Yxy color 25.0900, 0.2351, 0.1928.

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

25.0900, 0.2351, 0.1928

Protanopia

25.3131, 0.2083, 0.1894

Deuteranopia

25.4293, 0.2103, 0.2048



Tritanopia

24.9945, 0.2754, 0.3081

Trichromacy



Original Color

25.0900, 0.2351, 0.1928

Protanomaly

25.1339, 0.2167, 0.1905

Deuteranomaly

24.9863, 0.2176, 0.1991

Tritanomaly

24.7202, 0.2595, 0.2584

Monochromacy



Original Color

25.0900, 0.2351, 0.1928

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.2708, 0.2809, 0.2720

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0900, 0.2351, 0.1928 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(133, 125, 225)` looks like.

```
.text, #text, p{  
    color:rgb(133, 125, 225)  
}
```

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(133, 125, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 125, 225) }
```

Border

The CSS property to change the border of an element to Yxy 25.0900, 0.2351, 0.1928 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(133, 125, 225) }
```

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

```
.border{ border-color:rgb(133, 125, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 125, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 125, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 125, 225); box-shadow:4px 4px 4px 4px rgb(133, 125, 225) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0900, 0.2351, 0.1928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 125, 225) }
```

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

```
.background{ background-color: rgb(133,  
125, 225) }
```

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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