

Converting Colors

$Y_{xy}(25.0641, 0.2388, 0.1740)$

Have a look what the booklet for
Yxy(25.0641, 0.2388, 0.1740)
contains.

Yxy(25.0728, 0.2390, 0.1738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.0728, 0.2390, 0.1738)

Conversions

Conversions Part 1

Format	Color
Hex	9773EF
RGB	151, 115, 239
RGB Percent	59%, 45%, 94%
CMY	0.4078, 0.5491, 0.0626
CMYK	0.37, 0.52, 0.00, 0.06
HSL	257°, 80%, 69%
HSV	257°, 52%, 94%
XYZ	34.4787, 25.0728, 84.7109
YIQ	139.9000, -18.3480, 46.1960

Conversions

Conversions Part 2

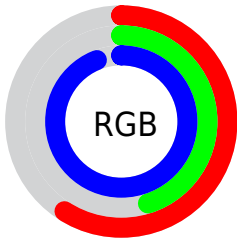
Format	Color
RYB	151, 115, 239
Decimal	9925615
CIELab	57.15, 41.31, -57.83
CIELCh	57, 71.069, 305.538
Yxy	25.0728, 0.2390, 0.1738
Android (android.graphics.Color)	4288115695 (0xFF9773EF)
YUV	139.9000, 48.8563, 9.7347
Hunter-Lab	50.0727, 35.2828, -65.2533

Details

The Yxy color **25.0728, 0.2390, 0.1738** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **75.6896, 0.3617, 0.4671**, and the grayscale version is **25.9974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7806, 0.2804, 0.2344**, and **9.5377, 0.2142, 0.1366** is the 20% darker color. If you saturate the color by 10%, you get **18.8035, 0.2214, 0.1427**, and if you desaturate by 10%, it is **32.9904, 0.2562, 0.2064**.

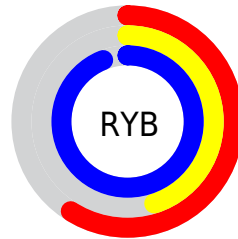
Distribution



Red (59%)

Green (45%)

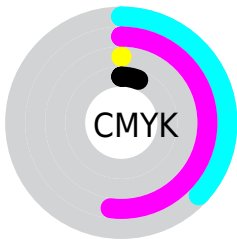
Blue (94%)



Red (59%)

Yellow (45%)

Blue (94%)

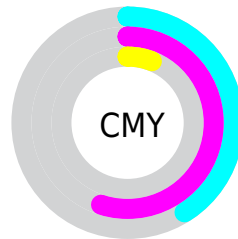


Cyan (37%)

Magenta (52%)

Yellow (0%)

Black (6%)



Cyan (41%)


Magenta (55%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0728, 0.2390, 0.1738 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 25.0728, 0.2390, 0.1738 by changing the saturation by 10% instead.


 25.0728, 0.2390,
0.1738


 25.0728, 0.2390,
0.1738

278.2003, 0.2795,
0.2478


 16.1313, 0.2283,
0.1572


 51.7753, 0.2543,
0.1994

 9.6171, 0.2144,
0.1372


 70.3051, 0.2599,
0.2094

 5.1458, 0.1961,
0.1130


 92.7998, 0.2645,
0.2181

 2.3331, 0.1711,
0.0840

 119.6437, 0.2685,
0.2256

 0.7911, 0.1366,
0.0506

151.2214, 0.2718,
0.2322

 0.0000, 0.0907,
0.0000

187.9171, 0.2747,

 0.0000, 0.0000,

0.2380

0.0000

230.1153, 0.2773,
0.2431

■ 25.0728, 0.2390,
0.1738

■ 25.0728, 0.2390,
0.1738

■ 18.8035, 0.2214,
0.1427

■ 32.9904, 0.2562,
0.2064

■ 14.0582, 0.2044,
0.1151

■ 42.6627, 0.2722,
0.2388

■ 10.6988, 0.1889,
0.0930

■ 54.1900, 0.2868,
0.2697


■ 8.5592, 0.1760,
0.0776

■ 67.6643, 0.2996,
0.2984

■ 7.5147, 0.1677,
0.0697

■ 83.1713, 0.3108,
0.3244

 98.5962, 0.3206,
0.3444

 99.0141, 0.3220,
0.3444

Harmonies

Analogous

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



25.0728, 0.1647, 0.1625



25.0728, 0.2390, 0.1738



25.0728, 0.3535, 0.2125

Triad

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



25.0728, 0.2390, 0.1738



25.0728, 0.5246, 0.4223



25.0728, 0.1631, 0.3677

Complementary

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



25.0728, 0.2390, 0.1738



75.6896, 0.3617, 0.4671

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.



25.0728, 0.2425, 0.5082



25.0728, 0.2390, 0.1738



25.0728, 0.4489, 0.5045

Square

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



25.0728, 0.2390, 0.1738



25.0728, 0.5420, 0.3441



25.0728, 0.3472, 0.5566



25.0728, 0.1273, 0.2460

Rectangle

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



25.0728, 0.2390, 0.1738



25.0728, 0.4382, 0.2510



25.0728, 0.3472, 0.5566



25.0728, 0.1849, 0.4176

Sweetspot

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



25.0737, 0.2390, 0.1738



71.5911, 0.2945, 0.2867



53.0113, 0.2367, 0.2838



14.6356, 0.2918, 0.2808



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.



25.0737, 0.2390, 0.1738



21.5740, 0.2209, 0.1418



32.5138, 0.2932, 0.1949



15.4511, 0.3025, 0.3049



4.2095, 0.1691, 0.0705



0.3993, 0.1827, 0.0780

Inverse Universe

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



34.9283, 0.3550, 0.2361



34.3986, 0.3669, 0.2213



68.7304, 0.3200, 0.4877



15.9486, 0.3182, 0.3124



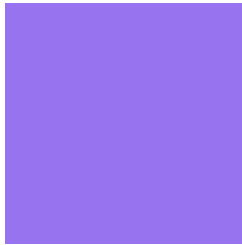
11.7603, 0.4110, 0.2038



0.9955, 0.3963, 0.1957

Previews

White Background



This preview shows how the Yxy color 25.0728, 0.2390, 0.1738 looks on a white background.

Color Contrast Check

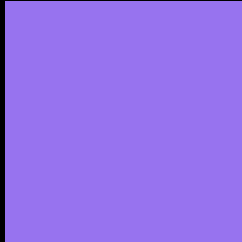
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0728, 0.2390, 0.1738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

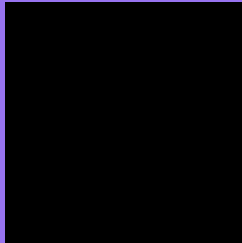
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0728, 0.2390, 0.1738

Background



This preview shows how black text looks on a background with the Yxy color 25.0728, 0.2390, 0.1738.



This preview shows how white text looks on a background with the Yxy color 25.0728, 0.2390, 0.1738.

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

25.0728, 0.2390, 0.1738

Protanopia

25.4115, 0.1913, 0.1666

Deuteranopia

25.2757, 0.1972, 0.1903



Tritanopia

24.8547, 0.2954, 0.3104

Trichromacy



Original Color

25.0728, 0.2390, 0.1738



Protanomaly

24.5280, 0.2033, 0.1666



Deuteranomaly

24.5628, 0.2074, 0.1816



Tritanomaly

24.4400, 0.2718, 0.2490

Monochromacy



Original Color

25.0728, 0.2390, 0.1738



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

25.2965, 0.2823, 0.2601

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0728, 0.2390, 0.1738 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(151, 115, 239)` looks like.

```
.text, #text, p{  
    color:rgb(151, 115, 239)  
}
```

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(151, 115, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 115, 239) }
```

Border

The CSS property to change the border of an element to Yxy 25.0728, 0.2390, 0.1738 is called "border". The border property can be set on classes, ids or directly on the HTML element.

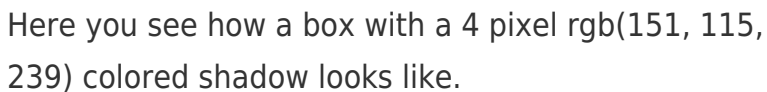
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 115, 239) }
```

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

```
.border{ border-color:rgb(151, 115, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 115, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 115, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 115, 239); box-shadow:4px 4px 4px 4px rgb(151, 115, 239) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0728, 0.2390, 0.1738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 115, 239) }
```

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

```
.background{ background-color: rgb(151,  
115, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor