

Converting Colors

$Y_{xy}(25.5264, 0.3851, 0.1900)$

Have a look what the booklet for
Yxy(25.5264, 0.3851, 0.1900)
contains.

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Color

Yxy(25.5170, 0.3857, 0.1903)

Conversions

Conversions Part 1

Format	Color
Hex	FF04C8
RGB	255, 4, 200
RGB Percent	100%, 2%, 78%
CMY	0.0000, 0.9852, 0.2156
CMYK	0.00, 0.99, 0.22, 0.00
HSL	313°, 100%, 51%
HSV	313°, 99%, 100%
XYZ	51.7179, 25.5170, 56.8534
YIQ	101.3930, 86.6800, 114.1680

Conversions

Conversions Part 2

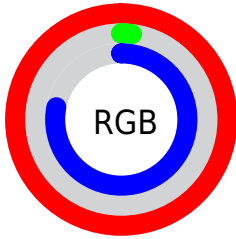
Format	Color
R_{YB}	255, 4, 200
Decimal	16712904
CIE _{Lab}	57.58, 91.06, -34.20
CIE _{LCh}	58, 97.270, 339.418
Yxy	25.5170, 0.3857, 0.1903
Android (android.graphics.Color)	4294902984 (0xFFFF04C8)
YUV	101.3930, 48.6133, 134.7133
Hunter-Lab	50.5144, 94.3526, -31.3703

Details

The Yxy color **25.5170, 0.3857, 0.1903** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light saturated magenta. A complement of this color would be **71.8577, 0.2939, 0.5772**, and the grayscale version is **12.9413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **13.4128, 0.3942, 0.1945** is the 20% darker color. If you saturate the color by 10%, you get **25.3923, 0.3869, 0.1905**, and if you desaturate by 10%, it is **26.5893, 0.3774, 0.1901**.

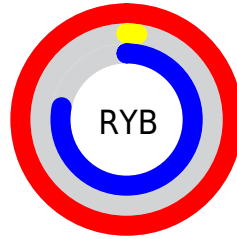
Distribution



Red (100%)

Green (2%)

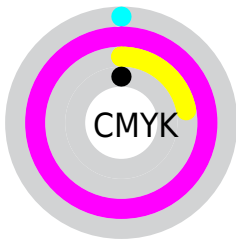
Blue (78%)



Red (100%)

Yellow (2%)

Blue (78%)

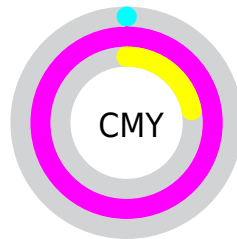


Cyan (0%)

Magenta (99%)

Yellow (22%)

Black (0%)



Cyan (0%)


Magenta (99%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5170, 0.3857, 0.1903 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 25.5170, 0.3857, 0.1903 by changing the saturation by 10% instead.


 25.5170, 0.3857,
0.1903


 25.5170, 0.3857,
0.1903


280.4029, 0.3506,
0.2562

 16.4627, 0.3939,
0.1752


 52.4947, 0.3733,
0.2133


 9.8521, 0.4040,
0.1568


 71.1869, 0.3686,
0.2222


 5.3010, 0.4167,
0.1339


 93.8604, 0.3645,
0.2299

 2.4249, 0.4330,
0.1053

 120.8998, 0.3610,
0.2365

 0.8387, 0.4539,
0.0700

 152.6893, 0.3579,
0.2424

 0.0000, 0.4945,
0.0000

189.6134, 0.3551,

 0.0000, 0.5068,

0.2475

0.0000

232.0565, 0.3527,
0.2521

■ 0.0000, 0.0000,
0.0000

■ 25.5170, 0.3857,
0.1903

■ 25.5170, 0.3857,
0.1903

■ 25.3923, 0.3869,
0.1905

■ 26.5893, 0.3774,
0.1901

■ 28.6838, 0.3687,
0.1945

■ 32.0359, 0.3599,
0.2036

■ 36.8154, 0.3512,
0.2169

■ 43.1655, 0.3428,
0.2335

■ 51.2121, 0.3351,
0.2523

■ 61.0683, 0.3282,
0.2722

■ 72.8375, 0.3220,
0.2926

■ 86.6150, 0.3167,
0.3126

Harmonies

Analogous

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



25.5170, 0.2310, 0.1425



25.5170, 0.3857, 0.1903



25.5170, 0.5486, 0.2612

Triad

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



25.5170, 0.3857, 0.1903



25.5170, 0.4466, 0.5484



25.5170, 0.0844, 0.1999

Complementary

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



25.5170, 0.3857, 0.1903



71.8577, 0.2939, 0.5772

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.



25.5170, 0.1122, 0.3479



25.5170, 0.3857, 0.1903



25.5170, 0.3161, 0.6369

Square

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



25.5170, 0.3857, 0.1903



25.5170, 0.5583, 0.4320



25.5170, 0.1947, 0.5654



25.5170, 0.0938, 0.1390

Rectangle

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



25.5170, 0.3857, 0.1903



25.5170, 0.6048, 0.3127



25.5170, 0.1947, 0.5654



25.5170, 0.0888, 0.2373

Sweetspot

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



25.5130, 0.3857, 0.1903



59.4883, 0.3292, 0.2692



8.2080, 0.1611, 0.0666



11.8200, 0.3321, 0.2608



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.



25.5130, 0.3857, 0.1903



25.3923, 0.3869, 0.1905



21.8495, 0.5827, 0.2992



18.2283, 0.3172, 0.3106



13.2913, 0.3856, 0.1898



1.3102, 0.3767, 0.1849

Inverse Universe

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



25.5130, 0.3857, 0.1903



25.3923, 0.3869, 0.1905



74.9976, 0.2513, 0.4241



18.2283, 0.3172, 0.3106



13.2913, 0.3856, 0.1898



1.3102, 0.3767, 0.1849

Previews

White Background



This preview shows how the Yxy color 25.5170, 0.3857, 0.1903 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 25.5170, 0.3857, 0.1903 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 25.5170, 0.3857, 0.1903

Background



This preview shows how black text looks on a background with the Yxy color 25.5170, 0.3857, 0.1903.



This preview shows how white text looks on a background with the Yxy color 25.5170, 0.3857, 0.1903.

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

25.5170, 0.3857, 0.1903

Protanopia

26.4480, 0.1941, 0.1711

Deuteranopia

25.9148, 0.2573, 0.2515



Tritanopia

25.8093, 0.5355, 0.3263

Trichromacy



Original Color

25.5170, 0.3857, 0.1903



Protanomaly

18.7284, 0.2297, 0.1452



Deuteranomaly

19.8348, 0.2965, 0.1940



Tritanomaly

24.1021, 0.4883, 0.2671

Monochromacy



Original Color

25.5170, 0.3857, 0.1903



Achromatopsia

13.0136, 0.3127, 0.3290



Achromatomaly

12.8707, 0.3493, 0.2207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5170, 0.3857, 0.1903 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(255, 4, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 4, 200)  
}
```

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(255, 4, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 4, 200) }
```

Border

The CSS property to change the border of an element to Yxy 25.5170, 0.3857, 0.1903 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(255, 4, 200) }
```

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

```
.border{ border-color:rgb(255, 4, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 4, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 4, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 4, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 4,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5170, 0.3857, 0.1903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 4, 200) }
```

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

```
.background{ background-color: rgb(255, 4,  
200) }
```

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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