

Converting Colors

$Y_{xy}(25.8522, 0.3855, 0.1921)$

Have a look what the booklet for
Yxy(25.8522, 0.3855, 0.1921)
contains.

Yxy(25.8627, 0.3853, 0.1921)	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(25.8627, 0.3853, 0.1921)

Conversions

Conversions Part 1

Format	Color
Hex	FF12C8
RGB	255, 18, 200
RGB Percent	100%, 7%, 78%
CMY	0.0001, 0.9286, 0.2157
CMYK	0.00, 0.93, 0.22, 0.00
HSL	314°, 100%, 54%
HSV	314°, 93%, 100%
XYZ	51.8735, 25.8627, 56.8952
YIQ	109.6110, 82.8300, 106.8460

Conversions

Conversions Part 2

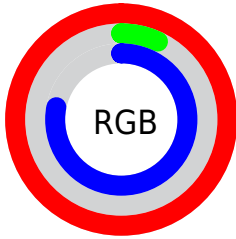
Format	Color
R _Y B	255, 18, 200
Decimal	16716488
CIE Lab	57.91, 90.04, -33.67
CIE LCh	58, 96.132, 339.501
Yxy	25.8627, 0.3853, 0.1921
Android (android.graphics.Color)	4294906568 (0xFFFF12C8)
YUV	109.6110, 44.5618, 127.5062
Hunter-Lab	50.8554, 93.0766, -30.7328

Details

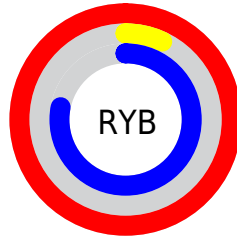
The Yxy color **25.8627, 0.3853, 0.1921** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **72.1178, 0.2916, 0.5651**, and the grayscale version is **15.3618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7881, 0.3191, 0.1921**, and **13.4128, 0.3942, 0.1945** is the 20% darker color. If you saturate the color by 10%, you get **25.2299, 0.3916, 0.1931**, and if you desaturate by 10%, it is **27.4863, 0.3761, 0.1942**.

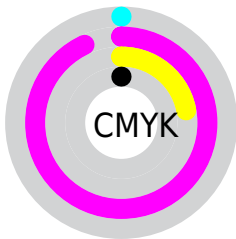
Distribution



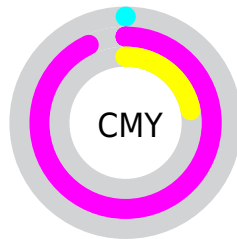
- Red (100%)
- Green (7%)
- Blue (78%)



- Red (100%)
- Yellow (7%)
- Blue (78%)



- Cyan (0%)
- Magenta (93%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (93%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8627, 0.3853, 0.1921 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 25.8627, 0.3853, 0.1921 by changing the saturation by 10% instead.


 25.8627, 0.3853,
0.1921


 25.8627, 0.3853,
0.1921


282.1074, 0.3503,
0.2572


 16.7210, 0.3935,
0.1772


 53.0534, 0.3730,
0.2148

 10.0357, 0.4036,
0.1589

 71.8711, 0.3682,
0.2236

 5.4227, 0.4163,
0.1363


 94.6829, 0.3642,
0.2312

 2.4973, 0.4326,
0.1078

 121.8732, 0.3607,
0.2378

 0.8753, 0.4537,
0.0726

 153.8264, 0.3576,
0.2435

 0.0000, 0.4960,
0.0000

190.9269, 0.3549,

 0.0000, 0.5089,

0.2486

0.0000

233.5591, 0.3525,
0.2531

■ 0.0000, 0.0000,
0.0000

■ 25.8627, 0.3853,
0.1921

■ 25.8627, 0.3853,
0.1921

■ 25.2299, 0.3916,
0.1931

■ 27.4863, 0.3761,
0.1942

■ 30.2809, 0.3667,
0.2010

■ 34.4340, 0.3573,
0.2124

■ 40.0989, 0.3482,
0.2275

■ 47.4083, 0.3397,
0.2452

56.4804, 0.3320,
0.2645

67.4224, 0.3252,
0.2845

80.3329, 0.3192,
0.3044

95.3037, 0.3140,
0.3237

Harmonies

Analogous

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



25.8627, 0.2325, 0.1445



25.8627, 0.3853, 0.1921



25.8627, 0.5455, 0.2626

Triad

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



25.8627, 0.3853, 0.1921



25.8627, 0.4458, 0.5468



25.8627, 0.0866, 0.2017

Complementary

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



25.8627, 0.3853, 0.1921



72.1178, 0.2916, 0.5651

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.



25.8627, 0.1144, 0.3475



25.8627, 0.3853, 0.1921



25.8627, 0.3172, 0.6325

Square

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



25.8627, 0.3853, 0.1921



25.8627, 0.5559, 0.4327



25.8627, 0.1966, 0.5603



25.8627, 0.0959, 0.1410

Rectangle

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



25.8627, 0.3853, 0.1921



25.8627, 0.6010, 0.3141



25.8627, 0.1966, 0.5603



25.8627, 0.0909, 0.2387

Sweetspot

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



25.8641, 0.3853, 0.1921



61.5727, 0.3286, 0.2742



8.9413, 0.1662, 0.0716



12.2090, 0.3316, 0.2656



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.



25.8641, 0.3853, 0.1921



25.2356, 0.3916, 0.1931



22.3549, 0.5660, 0.2935



18.2240, 0.3174, 0.3109



13.2103, 0.3902, 0.1923



1.3029, 0.3806, 0.1870

Inverse Universe

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



25.8641, 0.3853, 0.1921



25.2356, 0.3916, 0.1931



75.2603, 0.2504, 0.4181



18.2240, 0.3174, 0.3109



13.2103, 0.3902, 0.1923



1.3029, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 25.8627, 0.3853, 0.1921 looks on a white background.

Color Contrast Check

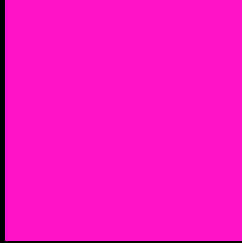
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8627, 0.3853, 0.1921 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 25.8627, 0.3853, 0.1921

Background



This preview shows how black text looks on a background with the Yxy color 25.8627, 0.3853, 0.1921.



This preview shows how white text looks on a background with the Yxy color 25.8627, 0.3853, 0.1921.

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

25.8627, 0.3853, 0.1921

Protanopia

26.4906, 0.1944, 0.1712

Deuteranopia

26.2768, 0.2584, 0.2532



Tritanopia

25.9702, 0.5336, 0.3262

Trichromacy



Original Color

25.8627, 0.3853, 0.1921



Protanomaly

19.6665, 0.2313, 0.1505



Deuteranomaly

20.8098, 0.2977, 0.2000



Tritanomaly

24.6722, 0.4863, 0.2706

Monochromacy



Original Color

25.8627, 0.3853, 0.1921



Achromatopsia

15.5926, 0.3127, 0.3290



Achromatomaly

15.0775, 0.3468, 0.2302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8627, 0.3853, 0.1921 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, 18, 200)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 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, 18, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 200) }
```

Border

The CSS property to change the border of an element to Yxy 25.8627, 0.3853, 0.1921 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, 18, 200) }
```

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

```
.border{ border-color:rgb(255, 18, 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, 18, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 200);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8627, 0.3853, 0.1921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 200) }
```

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

```
.background{ background-color: rgb(255, 18,  
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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