

Converting Colors

$Y_{xy}(25.9014, 0.3910, 0.1966)$

Have a look what the booklet for
Yxy(25.9014, 0.3910, 0.1966)
contains.

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Color

Yxy(25.8988, 0.3906, 0.1963)

Conversions

Conversions Part 1

Format	Color
Hex	FF18C4
RGB	255, 24, 196
RGB Percent	100%, 9%, 77%
CMY	0.0000, 0.9060, 0.2314
CMYK	0.00, 0.91, 0.23, 0.00
HSL	315°, 100%, 55%
HSV	315°, 91%, 100%
XYZ	51.5337, 25.8988, 54.5023
YIQ	112.6770, 82.4640, 102.4640

Conversions

Conversions Part 2

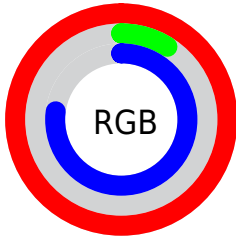
Format	Color
R _Y B	255, 24, 196
Decimal	16718020
CIE Lab	57.94, 89.00, -31.31
CIE LCh	58, 94.350, 340.616
Yxy	25.8988, 0.3906, 0.1963
Android (android.graphics.Color)	4294908100 (0xFFFF18C4)
YUV	112.6770, 41.0782, 124.8173
Hunter-Lab	50.8909, 91.6958, -27.8738

Details

The Yxy color **25.8988, 0.3906, 0.1963** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **72.3381, 0.2896, 0.5556**, and the grayscale version is **16.2655, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.0770, 0.3209, 0.1949**, and **13.2905, 0.4017, 0.1986** is the 20% darker color. If you saturate the color by 10%, you get **24.9720, 0.4000, 0.1977**, and if you desaturate by 10%, it is **27.7845, 0.3802, 0.1990**.

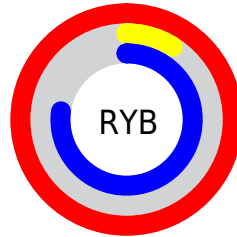
Distribution



Red (100%)

Green (9%)

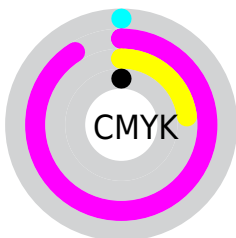
Blue (77%)



Red (100%)

Yellow (9%)

Blue (77%)

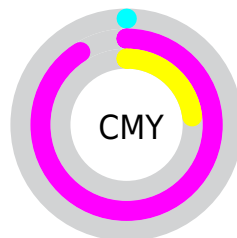


Cyan (0%)

Magenta (91%)

Yellow (23%)

Black (0%)



Cyan (0%)


Magenta (91%)


Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8988, 0.3906, 0.1963 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 25.8988, 0.3906, 0.1963 by changing the saturation by 10% instead.


 25.8988, 0.3906,
0.1963

 25.8988, 0.3906,
0.1963


282.2849, 0.3525,
0.2598


 16.7479, 0.3997,
0.1816


 53.1116, 0.3770,
0.2186

 10.0549, 0.4111,
0.1636


 71.9424, 0.3718,
0.2272


 5.4354, 0.4256,
0.1410


 94.7686, 0.3674,
0.2346

 2.5049, 0.4446,
0.1124

 121.9747, 0.3636,
0.2410

 0.8791, 0.4701,
0.0766

 153.9449, 0.3603,
0.2466

 0.0000, 0.5219,
0.0000

191.0638, 0.3574,

 0.0000, 0.5517,

0.2515

0.0000

233.7157, 0.3548,
0.2559

■ 0.0000, 0.0000,
0.0000

■ 25.8988, 0.3906,
0.1963

■ 25.8988, 0.3906,
0.1963

■ 24.9720, 0.4000,
0.1977

■ 27.7845, 0.3802,
0.1990

■ 30.8927, 0.3696,
0.2066

■ 35.3988, 0.3591,
0.2185

■ 41.4508, 0.3492,
0.2339

■ 49.1778, 0.3401,
0.2516

■ 58.6954, 0.3319,
0.2707

■ 70.1086, 0.3246,
0.2902

■ 83.5146, 0.3184,
0.3094

■ 99.0037, 0.3130,
0.3279

Harmonies

Analogous

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



25.8988, 0.2385, 0.1479



25.8988, 0.3906, 0.1963



25.8988, 0.5459, 0.2669

Triad

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



25.8988, 0.3906, 0.1963



25.8988, 0.4407, 0.5487



25.8988, 0.0888, 0.2006

Complementary

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



25.8988, 0.3906, 0.1963



72.3381, 0.2896, 0.5556

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.



25.8988, 0.1154, 0.3405



25.8988, 0.3906, 0.1963



25.8988, 0.3142, 0.6283

Square

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



25.8988, 0.3906, 0.1963



25.8988, 0.5502, 0.4370



25.8988, 0.1952, 0.5485



25.8988, 0.0992, 0.1423

Rectangle

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



25.8988, 0.3906, 0.1963



25.8988, 0.5978, 0.3184



25.8988, 0.1952, 0.5485



25.8988, 0.0929, 0.2361

Sweetspot

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



25.8973, 0.3906, 0.1963



62.5797, 0.3291, 0.2777



9.6538, 0.1722, 0.0761



12.6046, 0.3317, 0.2710



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.



25.8973, 0.3906, 0.1963



24.9720, 0.4000, 0.1977



22.5172, 0.5698, 0.2978



18.2164, 0.3177, 0.3115



13.0739, 0.3984, 0.1969



1.2907, 0.3876, 0.1909

Inverse Universe

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



25.8973, 0.3906, 0.1963



24.9720, 0.4000, 0.1977



75.7562, 0.2471, 0.4048



18.2164, 0.3177, 0.3115



13.0739, 0.3984, 0.1969



1.2907, 0.3876, 0.1909

Previews

White Background



This preview shows how the Yxy color 25.8988, 0.3906, 0.1963 looks on a white background.

Color Contrast Check

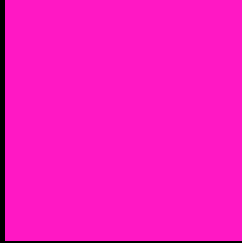
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8988, 0.3906, 0.1963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

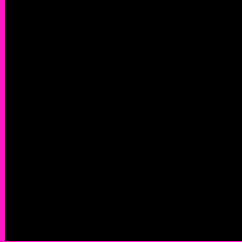
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8988, 0.3906, 0.1963

Background



This preview shows how black text looks on a background with the Yxy color 25.8988, 0.3906, 0.1963.



This preview shows how white text looks on a background with the Yxy color 25.8988, 0.3906, 0.1963.

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

25.8988, 0.3906, 0.1963

Protanopia

26.5338, 0.1948, 0.1714

Deuteranopia

26.0191, 0.2622, 0.2560



Tritanopia

25.8249, 0.5343, 0.3254

Trichromacy



Original Color

25.8988, 0.3906, 0.1963



Protanomaly

20.0542, 0.2331, 0.1535



Deuteranomaly

21.1105, 0.3031, 0.2068



Tritanomaly

24.7483, 0.4876, 0.2722

Monochromacy



Original Color

25.8988, 0.3906, 0.1963



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.8674, 0.3490, 0.2365

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8988, 0.3906, 0.1963 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, 24, 196)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 196)  
}
```

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, 24, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 196) }
```

Border

The CSS property to change the border of an element to Yxy 25.8988, 0.3906, 0.1963 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, 24, 196) }
```

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

```
.border{ border-color:rgb(255, 24, 196) }
```

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

Here you see how a box with a 4 pixel rgb(255, 24, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 196);  
box-shadow:4px 4px 4px 4px rgb(255, 24,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8988, 0.3906, 0.1963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 196) }
```

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

```
.background{ background-color: rgb(255, 24,  
196) }
```

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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