

Converting Colors

$Y_{xy}(25.4773, 0.3687, 0.1931)$

Have a look what the booklet for
Yxy(25.4773, 0.3687, 0.1931)
contains.

Yxy(25.4684, 0.3691, 0.1934)	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(25.4684, 0.3691, 0.1934)

Conversions

Conversions Part 1

Format	Color
Hex	F331C9
RGB	243, 49, 201
RGB Percent	95%, 19%, 79%
CMY	0.0470, 0.8079, 0.2118
CMYK	0.00, 0.80, 0.17, 0.05
HSL	313°, 89%, 57%
HSV	313°, 80%, 95%
XYZ	48.6059, 25.4684, 57.6134
YIQ	124.3340, 66.8320, 88.4000

Conversions

Conversions Part 2

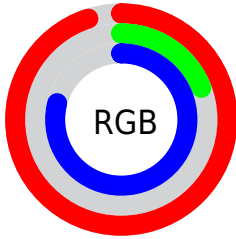
Format	Color
R _Y B	243, 49, 201
Decimal	15937993
CIE _{Lab}	57.53, 82.91, -34.99
CIE _{LCh}	58, 89.987, 337.117
Yxy	25.4684, 0.3691, 0.1934
Android (android.graphics.Color)	4294128073 (0xFFFF331C9)
YUV	124.3340, 37.7963, 104.0701
Hunter-Lab	50.4662, 83.6042, -32.3604

Details

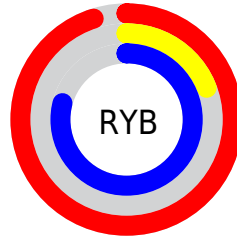
The Yxy color **25.4684, 0.3691, 0.1934** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **65.5160, 0.2900, 0.5396**, and the grayscale version is **20.1270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **12.0517, 0.3764, 0.1847** is the 20% darker color. If you saturate the color by 10%, you get **23.7125, 0.3776, 0.1895**, and if you desaturate by 10%, it is **28.3293, 0.3604, 0.2020**.

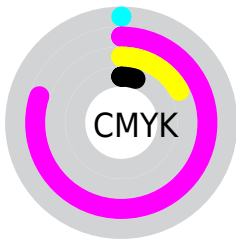
Distribution



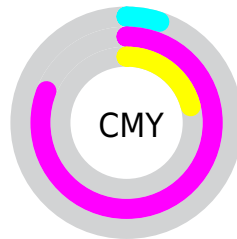
- Red (95%)
- Green (19%)
- Blue (79%)



- Red (95%)
- Yellow (19%)
- Blue (79%)



- Cyan (0%)
- Magenta (80%)
- Yellow (17%)
- Black (5%)





- Cyan (5%)
- Magenta (81%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4684, 0.3691, 0.1934 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 25.4684, 0.3691, 0.1934 by changing the saturation by 10% instead.


 25.4684, 0.3691,
0.1934


 25.4684, 0.3691,
0.1934


280.1626, 0.3425,
0.2582

 16.4264, 0.3751,
0.1785

 52.4161, 0.3599,
0.2161


 9.8264, 0.3824,
0.1602


 71.0905, 0.3563,
0.2248

 5.2840, 0.3913,
0.1373


 93.7446, 0.3532,
0.2324

 2.4148, 0.4022,
0.1086

 120.7626, 0.3505,
0.2389

 0.8335, 0.4153,
0.0727

 152.5291, 0.3482,
0.2446

 0.0000, 0.4424,
0.0000

189.4283, 0.3461,


 0.0000, 0.4301,


0.2497


0.0000


231.8447, 0.3442,
0.2542

 0.0000, 0.0000,
0.0000

 25.4684, 0.3691,
0.1934


 25.4684, 0.3691,
0.1934


 23.7125, 0.3776,
0.1895


 28.3293, 0.3604,
0.2020


 22.8038, 0.3857,
0.1899


 32.4457, 0.3518,
0.2149

 22.7917, 0.3859,
0.1899

 37.9485, 0.3435,
0.2311

 44.9513, 0.3358,
0.2497

 53.5559, 0.3289,
0.2695

 63.8551, 0.3227,
0.2899

 75.9346, 0.3173,
0.3100

 89.8744, 0.3126,
0.3293

 97.3762, 0.3091,
0.3355

Harmonies

Analogous

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



25.4684, 0.2277, 0.1491



25.4684, 0.3691, 0.1934



25.4684, 0.5229, 0.2613

Triad

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



25.4684, 0.3691, 0.1934



25.4684, 0.4539, 0.5317



25.4684, 0.0954, 0.2168

Complementary

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



25.4684, 0.3691, 0.1934



65.5160, 0.2900, 0.5396

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.



25.4684, 0.1279, 0.3631



25.4684, 0.3691, 0.1934



25.4684, 0.3318, 0.6136

Square

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



25.4684, 0.3691, 0.1934



25.4684, 0.5546, 0.4262



25.4684, 0.2131, 0.5568



25.4684, 0.1015, 0.1516

Rectangle

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



25.4684, 0.3691, 0.1934



25.4684, 0.5829, 0.3120



25.4684, 0.2131, 0.5568



25.4684, 0.1012, 0.2550

Sweetspot

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



25.4697, 0.3691, 0.1934



66.1503, 0.3252, 0.2813



10.7323, 0.1807, 0.0911



13.2955, 0.3274, 0.2740



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.



25.4697, 0.3691, 0.1934



25.7455, 0.3828, 0.1895



22.3182, 0.5144, 0.2819



16.7033, 0.3171, 0.3106



12.5284, 0.3846, 0.1893



1.1160, 0.3750, 0.1840

Inverse Universe

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



25.4697, 0.3691, 0.1934



25.7455, 0.3828, 0.1895



68.2552, 0.2517, 0.4086



16.7033, 0.3171, 0.3106



12.5284, 0.3846, 0.1893



1.1160, 0.3750, 0.1840

Previews

White Background



This preview shows how the Yxy color 25.4684, 0.3691, 0.1934 looks on a white background.

Color Contrast Check

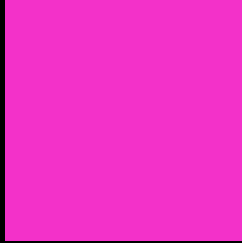
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4684, 0.3691, 0.1934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

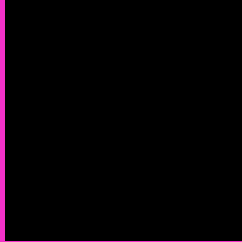
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.4684, 0.3691, 0.1934

Background



This preview shows how black text looks on a background with the Yxy color 25.4684, 0.3691, 0.1934.



This preview shows how white text looks on a background with the Yxy color 25.4684, 0.3691, 0.1934.

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

25.4684, 0.3691, 0.1934

Protanopia

26.1257, 0.1934, 0.1697

Deuteranopia

25.8200, 0.2526, 0.2470



Tritanopia

25.4453, 0.5042, 0.3246

Trichromacy



Original Color

25.4684, 0.3691, 0.1934



Protanomaly

21.2172, 0.2283, 0.1600



Deuteranomaly

22.2137, 0.2881, 0.2083



Tritanomaly

24.5955, 0.4575, 0.2704

Monochromacy



Original Color

25.4684, 0.3691, 0.1934



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

19.0319, 0.3364, 0.2474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4684, 0.3691, 0.1934 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(243, 49, 201)` looks like.

```
.text, #text, p{  
    color:rgb(243, 49, 201)  
}
```

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(243, 49, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 49, 201) }
```

Border

The CSS property to change the border of an element to Yxy 25.4684, 0.3691, 0.1934 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(243, 49, 201) }
```

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

```
.border{ border-color:rgb(243, 49, 201) }
```

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

Here you see how a box with a 4 pixel rgb(243, 49, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 49, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 49, 201);  
box-shadow:4px 4px 4px 4px rgb(243, 49,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4684, 0.3691, 0.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 49, 201) }
```

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

```
.background{ background-color: rgb(243, 49,  
201) }
```

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