

Converting Colors

$Y_{xy}(25.0931, 0.3697, 0.1920)$

Have a look what the booklet for
Yxy(25.0931, 0.3697, 0.1920)
contains.

Yxy(25.1485, 0.3694, 0.1918)	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(25.1485, 0.3694, 0.1918)

Conversions

Conversions Part 1

Format	Color
Hex	F32DC9
RGB	243, 45, 201
RGB Percent	95%, 18%, 79%
CMY	0.0471, 0.8232, 0.2119
CMYK	0.00, 0.81, 0.17, 0.05
HSL	313°, 89%, 56%
HSV	313°, 81%, 95%
XYZ	48.4351, 25.1485, 57.5347
YIQ	121.9860, 67.9320, 90.4920

Conversions

Conversions Part 2

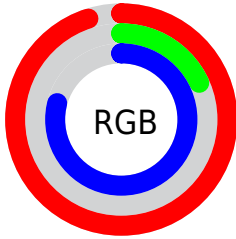
Format	Color
R _Y B	243, 45, 201
Decimal	15936969
CIE Lab	57.22, 83.77, -35.45
CIE LCh	57, 90.961, 337.062
Yxy	25.1485, 0.3694, 0.1918
Android (android.graphics.Color)	4294127049 (0xFFFF32DC9)
YUV	121.9860, 38.9539, 106.1293
Hunter-Lab	50.1483, 84.6426, -32.9192

Details

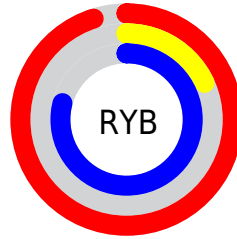
The Yxy color **25.1485, 0.3694, 0.1918** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **65.3412, 0.2904, 0.5445**, and the grayscale version is **19.3237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **12.0517, 0.3764, 0.1847** is the 20% darker color. If you saturate the color by 10%, you get **23.5566, 0.3776, 0.1886**, and if you desaturate by 10%, it is **27.8166, 0.3609, 0.1997**.

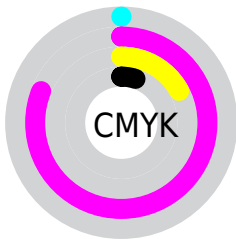
Distribution



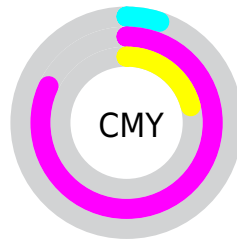
- Red (95%)
- Green (18%)
- Blue (79%)



- Red (95%)
- Yellow (18%)
- Blue (79%)



- Cyan (0%)
- Magenta (81%)
- Yellow (17%)
- Black (5%)



- Cyan (5%)
- Magenta (82%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.1485, 0.3694, 0.1918 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 25.1485, 0.3694, 0.1918 by changing the saturation by 10% instead.


 25.1485, 0.3694,
0.1918


 25.1485, 0.3694,
0.1918


278.5767, 0.3427,
0.2573


 16.1877, 0.3754,
0.1767


 51.8980, 0.3602,
0.2147

 9.6571, 0.3827,
0.1582


 70.4556, 0.3566,
0.2236

 5.1722, 0.3916,
0.1352


 92.9808, 0.3535,
0.2312

 2.3486, 0.4024,
0.1063

 119.8582, 0.3508,
0.2378

 0.7993, 0.4153,
0.0702

 151.4721, 0.3484,
0.2436

 0.0000, 0.4409,
0.0000

188.2069, 0.3463,

 0.0000, 0.4274,

0.2487

0.0000

230.4469, 0.3444,
0.2533

■ 0.0000, 0.0000,
0.0000

■ 25.1485, 0.3694,
0.1918

■ 25.1485, 0.3694,
0.1918

■ 23.5566, 0.3776,
0.1886

■ 27.8166, 0.3609,
0.1997

■ 22.8306, 0.3844,
0.1891


■ 31.7168, 0.3524,
0.2120


■ 36.9831, 0.3443,
0.2278


■ 43.7313, 0.3366,
0.2462

■ 52.0648, 0.3297,
0.2660

 62.0777, 0.3235,
0.2864

 73.8568, 0.3180,
0.3066

 87.4829, 0.3133,
0.3262

 97.3118, 0.3096,
0.3364

Harmonies

Analogous

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



25.1485, 0.2263, 0.1473



25.1485, 0.3694, 0.1918



25.1485, 0.5256, 0.2600

Triad

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



25.1485, 0.3694, 0.1918



25.1485, 0.4546, 0.5330



25.1485, 0.0934, 0.2152

Complementary

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



25.1485, 0.3694, 0.1918



65.3412, 0.2904, 0.5445

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.



25.1485, 0.1258, 0.3636



25.1485, 0.3694, 0.1918



25.1485, 0.3310, 0.6174

Square

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



25.1485, 0.3694, 0.1918



25.1485, 0.5567, 0.4256



25.1485, 0.2114, 0.5612



25.1485, 0.0996, 0.1498

Rectangle

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



25.1485, 0.3694, 0.1918



25.1485, 0.5863, 0.3109



25.1485, 0.2114, 0.5612



25.1485, 0.0991, 0.2538

Sweetspot

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



25.1498, 0.3694, 0.1918



66.1657, 0.3250, 0.2810



10.2682, 0.1784, 0.0879



13.2993, 0.3272, 0.2737



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.



25.1498, 0.3694, 0.1918



25.6319, 0.3830, 0.1890



21.9433, 0.5203, 0.2825



16.7045, 0.3170, 0.3105



12.5526, 0.3832, 0.1885



1.1180, 0.3739, 0.1833

Inverse Universe

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



25.1498, 0.3694, 0.1918



25.6319, 0.3830, 0.1890



68.0959, 0.2516, 0.4104



16.7045, 0.3170, 0.3105



12.5526, 0.3832, 0.1885



1.1180, 0.3739, 0.1833

Previews

White Background



This preview shows how the Yxy color 25.1485, 0.3694, 0.1918 looks on a white background.

Color Contrast Check

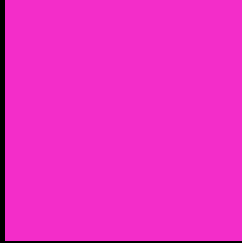
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1485, 0.3694, 0.1918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

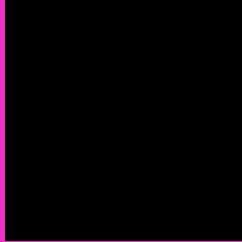
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1485, 0.3694, 0.1918

Background



This preview shows how black text looks on a background with the Yxy color 25.1485, 0.3694, 0.1918.



This preview shows how white text looks on a background with the Yxy color 25.1485, 0.3694, 0.1918.

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

25.1485, 0.3694, 0.1918

Protanopia

25.7260, 0.1920, 0.1680

Deuteranopia

25.3474, 0.2515, 0.2463



Tritanopia

24.9303, 0.5061, 0.3236

Trichromacy



Original Color

25.1485, 0.3694, 0.1918



Protanomaly

20.6518, 0.2263, 0.1572



Deuteranomaly

21.5501, 0.2868, 0.2061



Tritanomaly

24.3052, 0.4598, 0.2699

Monochromacy



Original Color

25.1485, 0.3694, 0.1918



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.3468, 0.3369, 0.2441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1485, 0.3694, 0.1918 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, 45, 201)` looks like.

```
.text, #text, p{  
    color:rgb(243, 45, 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, 45, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 45, 201) }
```

Border

The CSS property to change the border of an element to Yxy 25.1485, 0.3694, 0.1918 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, 45, 201) }
```

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

```
.border{ border-color:rgb(243, 45, 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, 45, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 45, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 45, 201);  
box-shadow:4px 4px 4px 4px rgb(243, 45,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1485, 0.3694, 0.1918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 45, 201) }
```

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

```
.background{ background-color: rgb(243, 45,  
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