

Converting Colors

$Y_{xy}(24.8471, 0.3420, 0.1658)$

Have a look what the booklet for
Yxy(24.8471, 0.3420, 0.1658)
contains.

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Color

Yxy(24.9035, 0.3418, 0.1657)

Conversions

Conversions Part 1

Format	Color
Hex	F500E2
RGB	245, 0, 226
RGB Percent	96%, 0%, 89%
CMY	0.0393, 0.9983, 0.1139
CMYK	0.00, 1.00, 0.08, 0.04
HSL	305°, 100%, 48%
HSV	305°, 100%, 96%
XYZ	51.3700, 24.9035, 74.0192
YIQ	99.0190, 73.4740, 122.2260

Conversions

Conversions Part 2

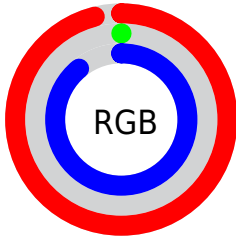
Format	Color
R _Y B	245, 0, 226
Decimal	16056546
CIE Lab	56.98, 92.71, -50.03
CIE LCh	57, 105.343, 331.648
Yxy	24.9035, 0.3418, 0.1657
Android (android.graphics.Color)	4294246626 (0xFFFF500E2)
YUV	99.0190, 62.6016, 128.0253
Hunter-Lab	49.9034, 96.4151, -53.0094

Details

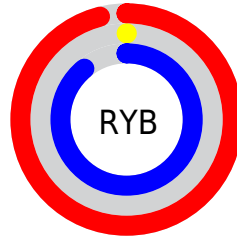
The Yxy color **24.9035, 0.3418, 0.1657** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **65.3364, 0.2989, 0.5960**, and the grayscale version is **12.3727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9827, 0.3193, 0.1894**, and **13.0926, 0.3410, 0.1652** is the 20% darker color. If you saturate the color by 10%, you get **24.8933, 0.3418, 0.1657**, and if you desaturate by 10%, it is **25.6928, 0.3393, 0.1677**.

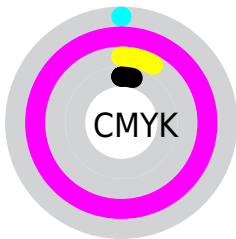
Distribution



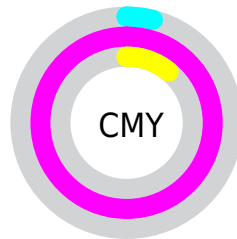
- Red (96%)
- Green (0%)
- Blue (89%)



- Red (96%)
- Yellow (0%)
- Blue (89%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9035, 0.3418, 0.1657 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 24.9035, 0.3418, 0.1657 by changing the saturation by 10% instead.

 24.9035, 0.3418,
0.1657


 24.9035, 0.3418,
0.1657


277.3570, 0.3315,
0.2405


 16.0052, 0.3431,
0.1495


 51.5006, 0.3390,
0.1911


 9.5278, 0.3440,
0.1302


 69.9682, 0.3377,
0.2011


 5.0870, 0.3442,
0.1072


 92.3944, 0.3365,
0.2099

 2.2984, 0.3424,
0.0799

 119.1634, 0.3353,
0.2175

 0.7729, 0.3364,
0.0485

 150.6598, 0.3342,
0.2243

 0.0000, 0.3259,
0.0000

187.2680, 0.3333,

 0.0000, 0.2813,

0.2303

0.0000

229.3722, 0.3323,
0.2356

■ 0.0000, 0.0000,
0.0000

■ 24.9035, 0.3418,
0.1657

■ 24.9035, 0.3418,
0.1657

■ 24.8933, 0.3418,
0.1657

■ 25.6928, 0.3393,
0.1677

■ 27.3396, 0.3365,
0.1736

■ 30.1022, 0.3335,
0.1838

■ 34.1381, 0.3303,
0.1984

■ 39.5794, 0.3270,
0.2165

■ 46.5417, 0.3238,
0.2374

■ 55.1290, 0.3207,
0.2600

■ 65.4356, 0.3177,
0.2833

■ 77.5490, 0.3151,
0.3067

Harmonies

Analogous

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



24.9035, 0.1927, 0.1248



24.9035, 0.3418, 0.1657



24.9035, 0.5290, 0.2341

Triad

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



24.9035, 0.3418, 0.1657



24.9035, 0.4801, 0.5199



24.9035, 0.0756, 0.2177

Complementary

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



24.9035, 0.3418, 0.1657



65.3364, 0.2989, 0.5960

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.



24.9035, 0.1143, 0.4083



24.9035, 0.3418, 0.1657



24.9035, 0.3420, 0.6425

Square

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



24.9035, 0.3418, 0.1657



24.9035, 0.5930, 0.4007



24.9035, 0.2122, 0.6363



24.9035, 0.0778, 0.1376

Rectangle

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



24.9035, 0.3418, 0.1657



24.9035, 0.6118, 0.2855



24.9035, 0.2122, 0.6363



24.9035, 0.0828, 0.2665

Sweetspot

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



24.9047, 0.3418, 0.1657



60.1430, 0.3207, 0.2594



6.7169, 0.1516, 0.0610



11.9784, 0.3220, 0.2497



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.



24.9047, 0.3418, 0.1657



27.2683, 0.3419, 0.1657



20.4651, 0.5277, 0.2682



16.7448, 0.3150, 0.3075



13.4241, 0.3415, 0.1655



1.1863, 0.3386, 0.1639

Inverse Universe

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



24.9047, 0.3418, 0.1657



27.2683, 0.3419, 0.1657



67.1521, 0.2667, 0.4801



16.7448, 0.3150, 0.3075



13.4241, 0.3415, 0.1655



1.1863, 0.3386, 0.1639

Previews

White Background



This preview shows how the Yxy color 24.9035, 0.3418, 0.1657 looks on a white background.

Color Contrast Check

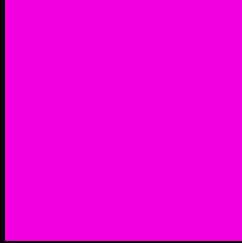
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9035, 0.3418, 0.1657 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 24.9035, 0.3418, 0.1657

Background



This preview shows how black text looks on a background with the Yxy color 24.9035, 0.3418, 0.1657.



This preview shows how white text looks on a background with the Yxy color 24.9035, 0.3418, 0.1657.

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

24.9035, 0.3418, 0.1657

Protanopia

25.6867, 0.1916, 0.1679

Deuteranopia

25.6397, 0.2228, 0.2178



Tritanopia

25.1087, 0.5024, 0.3245

Trichromacy



Original Color

24.9035, 0.3418, 0.1657



Protanomaly

18.2629, 0.2194, 0.1347



Deuteranomaly

18.7615, 0.2521, 0.1622



Tritanomaly

22.8838, 0.4487, 0.2488

Monochromacy



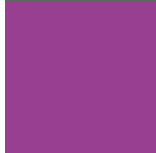
Original Color

24.9035, 0.3418, 0.1657



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.2747, 0.3294, 0.2038

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9035, 0.3418, 0.1657 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(245, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 226)  
}
```

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(245, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 226) }
```

Border

The CSS property to change the border of an element to Yxy 24.9035, 0.3418, 0.1657 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(245, 0, 226) }
```

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

```
.border{ border-color:rgb(245, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9035, 0.3418, 0.1657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 226) }
```

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

```
.background{ background-color: rgb(245, 0,  
226) }
```

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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