

# Converting Colors

$Y_{xy}(25.4458, 0.3452, 0.1845)$

Have a look what the booklet for  
Yxy(25.4458, 0.3452, 0.1845)  
contains.

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# Color

**Yxy(25.4417, 0.3459, 0.1846)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB3AD4
RGB	235, 58, 212
RGB Percent	92%, 23%, 83%
CMY	0.0782, 0.7729, 0.1685
CMYK	0.00, 0.75, 0.10, 0.08
HSL	308°, 82%, 57%
HSV	308°, 75%, 92%
XYZ	47.6722, 25.4417, 64.7068
YIQ	128.4790, 56.0580, 85.4180

# Conversions

## Conversions Part 2

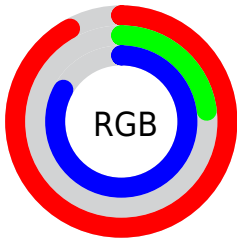
Format	Color
R <sub>YB</sub>	235, 58, 212
Decimal	15416020
CIE Lab	57.50, 80.44, -41.42
CIE LCh	58, 90.476, 332.756
Yxy	25.4417, 0.3459, 0.1846
Android (android.graphics.Color)	4293606100 (0xFFEB3AD4)
YUV	128.4790, 41.1759, 93.4189
Hunter-Lab	50.4398, 80.4363, -40.7525

# Details

The Yxy color **25.4417, 0.3459, 0.1846** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **60.9337, 0.2950, 0.5456**, and the grayscale version is **21.5890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.6459, 0.3185, 0.2047**, and **11.5483, 0.3485, 0.1694** is the 20% darker color. If you saturate the color by 10%, you get **23.4403, 0.3507, 0.1773**, and if you desaturate by 10%, it is **28.5285, 0.3409, 0.1963**.

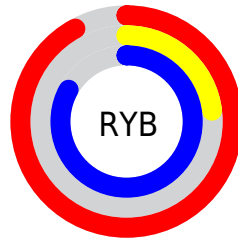
# Distribution



Red (92%)

Green (23%)

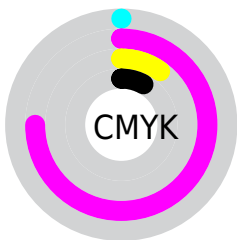
Blue (83%)



Red (92%)

Yellow (23%)

Blue (83%)

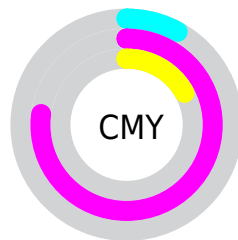


Cyan (0%)

Magenta (75%)

Yellow (10%)

Black (8%)



Cyan (8%)

Magenta (77%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4417, 0.3459, 0.1846 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 25.4417, 0.3459, 0.1846 by changing the saturation by 10% instead.




 25.4417, 0.3459,  
0.1846


 25.4417, 0.3459,  
0.1846


280.0305, 0.3322,  
0.2527


 16.4064, 0.3484,  
0.1692


 52.3729, 0.3416,  
0.2082

 9.8122, 0.3510,  
0.1505


 71.0376, 0.3398,  
0.2174

 5.2746, 0.3535,  
0.1275


 93.6809, 0.3382,  
0.2254

 2.4093, 0.3552,  
0.0990

 120.6873, 0.3367,  
0.2323

 0.8307, 0.3543,  
0.0645

 152.4410, 0.3354,  
0.2383

 0.0000, 0.3547,  
0.0000

189.3265, 0.3342,

 0.0000, 0.3084,

0.2437


0.0000


231.7282, 0.3331,  
0.2484

 0.0000, 0.0000,  
0.0000

 25.4417, 0.3459,  
0.1846


 25.4417, 0.3459,  
0.1846


 23.4403, 0.3507,  
0.1773

 28.5285, 0.3409,  
0.1963

 22.3600, 0.3553,  
0.1745

 32.8274, 0.3358,  
0.2120


 22.0542, 0.3573,  
0.1742


 38.4518, 0.3308,  
0.2307

 45.5008, 0.3261,  
0.2516

 54.0642, 0.3218,  
0.2736

 64.2245, 0.3179,  
0.2958

 76.0582, 0.3144,  
0.3176

 89.6366, 0.3114,  
0.3386

 95.4528, 0.3092,  
0.3444

# Harmonies

## Analogous

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



25.4417, 0.2112, 0.1444



25.4417, 0.3459, 0.1846



25.4417, 0.5047, 0.2501

# Triad

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



25.4417, 0.3459, 0.1846



25.4417, 0.4710, 0.5165



25.4417, 0.0966, 0.2316

# Complementary

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



25.4417, 0.3459, 0.1846



60.9337, 0.2950, 0.5456

# 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.



25.4417, 0.1360, 0.3919



25.4417, 0.3459, 0.1846



25.4417, 0.3494, 0.6083

# Square

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



25.4417, 0.3459, 0.1846



25.4417, 0.5661, 0.4120



25.4417, 0.2286, 0.5791



25.4417, 0.0978, 0.1567



# Rectangle

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



25.4417, 0.3459, 0.1846



25.4417, 0.5756, 0.3004



25.4417, 0.2286, 0.5791



25.4417, 0.1043, 0.2745

# Sweetspot

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



25.4429, 0.3459, 0.1846



67.6368, 0.3209, 0.2786



10.6629, 0.1791, 0.0969



13.5968, 0.3224, 0.2705



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.



25.4429, 0.3459, 0.1846



27.4230, 0.3531, 0.1754



22.1894, 0.4729, 0.2654



15.2781, 0.3158, 0.3087



12.2821, 0.3566, 0.1738



0.9738, 0.3510, 0.1707



# Inverse Universe

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



25.4429, 0.3459, 0.1846



27.4230, 0.3531, 0.1754



63.1361, 0.2591, 0.4255



15.2781, 0.3158, 0.3087



12.2821, 0.3566, 0.1738

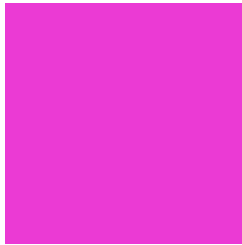


0.9738, 0.3510, 0.1707



# Previews

## White Background



This preview shows how the Yxy color 25.4417, 0.3459, 0.1846 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

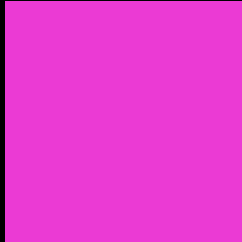
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.4417, 0.3459, 0.1846 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

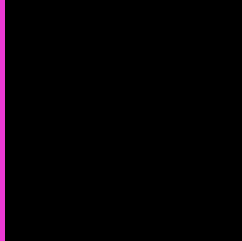
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.4417, 0.3459, 0.1846**

## Background



This preview shows how black text looks on a background with the Yxy color 25.4417, 0.3459, 0.1846.

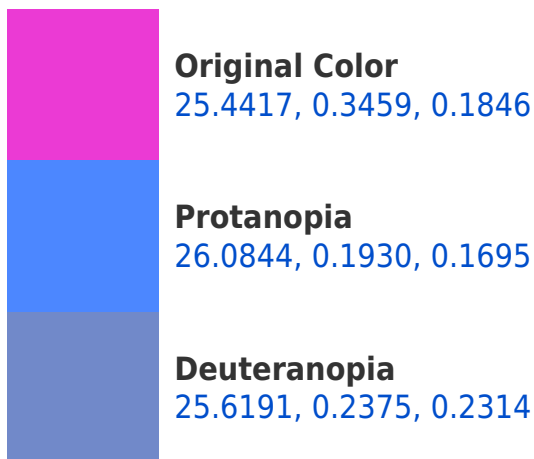


This preview shows how white text looks on a background with the Yxy color 25.4417, 0.3459, 0.1846.

# 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





## Tritanopia

25.1923, 0.4774, 0.3218

# Trichromacy



## Original Color

25.4417, 0.3459, 0.1846



## Protanomaly

21.8157, 0.2243, 0.1595



## Deuteranomaly

22.3010, 0.2679, 0.1973



## Tritanomaly

24.5117, 0.4294, 0.2633

# Monochromacy



## Original Color

25.4417, 0.3459, 0.1846



## Achromatopsia

21.5861, 0.3127, 0.3290



## Achromatomaly

20.4192, 0.3267, 0.2467

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.4417, 0.3459, 0.1846 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(235, 58, 212)` looks like.

```
.text, #text, p{  
    color:rgb(235, 58, 212)  
}
```

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(235, 58, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 58, 212) }
```

## Border

The CSS property to change the border of an element to Yxy 25.4417, 0.3459, 0.1846 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(235, 58, 212) }
```

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

```
.border{ border-color:rgb(235, 58, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 58, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 58, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 58, 212);  
box-shadow:4px 4px 4px 4px rgb(235, 58,  
212) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.4417, 0.3459, 0.1846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 58, 212) }
```

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

```
.background{ background-color: rgb(235, 58,  
212) }
```

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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