

Converting Colors

$Y_{xy}(25.1707, 0.3483, 0.1823)$

Have a look what the booklet for
Yxy(25.1707, 0.3483, 0.1823)
contains.

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Color

Yxy(25.1256, 0.3485, 0.1824)

Conversions

Conversions Part 1

Format	Color
Hex	ED33D4
RGB	237, 51, 212
RGB Percent	93%, 20%, 83%
CMY	0.0704, 0.8004, 0.1686
CMYK	0.00, 0.79, 0.11, 0.07
HSL	308°, 84%, 56%
HSV	308°, 79%, 93%
XYZ	48.0059, 25.1256, 64.6185
YIQ	124.9680, 59.1750, 89.5030

Conversions

Conversions Part 2

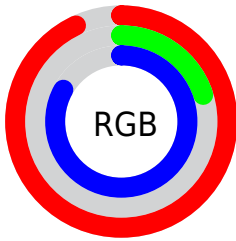
Format	Color
R _{YB}	237, 51, 212
Decimal	15545300
CIE _{Lab}	57.20, 82.68, -41.87
CIE _{LCh}	57, 92.678, 333.143
Yxy	25.1256, 0.3485, 0.1824
Android (android.graphics.Color)	4293735380 (0xFFED33D4)
YUV	124.9680, 42.9068, 98.2521
Hunter-Lab	50.1254, 83.2326, -41.3451

Details

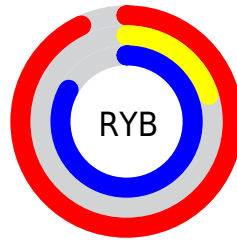
The Yxy color **25.1256, 0.3485, 0.1824** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **61.8184, 0.2948, 0.5529**, and the grayscale version is **20.3217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4369, 0.3187, 0.2008**, and **11.7814, 0.3515, 0.1710** is the 20% darker color. If you saturate the color by 10%, you get **23.4011, 0.3534, 0.1766**, and if you desaturate by 10%, it is **27.9095, 0.3433, 0.1927**.

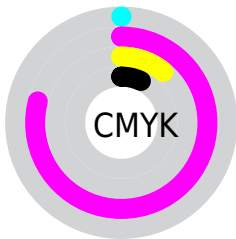
Distribution



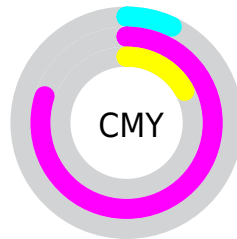
- Red (93%)
- Green (20%)
- Blue (83%)



- Red (93%)
- Yellow (20%)
- Blue (83%)



- Cyan (0%)
- Magenta (79%)
- Yellow (11%)
- Black (7%)





- Cyan (7%)
- Magenta (80%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1256, 0.3485, 0.1824 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 25.1256, 0.3485, 0.1824 by changing the saturation by 10% instead.


 25.1256, 0.3485,
0.1824


 25.1256, 0.3485,
0.1824


278.4629, 0.3335,
0.2514


 16.1707, 0.3513,
0.1669


 51.8609, 0.3438,
0.2063

 9.6450, 0.3542,
0.1480


 70.4101, 0.3418,
0.2156

 5.1642, 0.3572,
0.1248


 92.9261, 0.3400,
0.2237

 2.3439, 0.3595,
0.0963

 119.7933, 0.3384,
0.2307

 0.7968, 0.3593,
0.0618

 151.3963, 0.3370,
0.2368

 0.0000, 0.3601,
0.0000

188.1192, 0.3357,


 0.0000, 0.3168,


0.2423


0.0000


230.3466, 0.3346,
0.2471


 0.0000, 0.0000,
0.0000


 25.1256, 0.3485,
0.1824


 25.1256, 0.3485,
0.1824


 23.4011, 0.3534,
0.1766


 27.9095, 0.3433,
0.1927


 22.5276, 0.3580,
0.1751


 31.8904, 0.3381,
0.2072


 22.4288, 0.3587,
0.1750

 37.1890, 0.3329,
0.2250

 43.9104, 0.3280,
0.2452

 52.1490, 0.3234,
0.2668

 61.9912, 0.3192,
0.2889

 73.5168, 0.3155,
0.3109

 86.8004, 0.3123,
0.3321

 95.8660, 0.3098,
0.3432

Harmonies

Analogous

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



25.1256, 0.2101, 0.1414



25.1256, 0.3485, 0.1824



25.1256, 0.5116, 0.2488

Triad

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



25.1256, 0.3485, 0.1824



25.1256, 0.4710, 0.5202



25.1256, 0.0925, 0.2270

Complementary

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



25.1256, 0.3485, 0.1824



61.8184, 0.2948, 0.5529

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.



25.1256, 0.1310, 0.3904



25.1256, 0.3485, 0.1824



25.1256, 0.3461, 0.6156

Square

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



25.1256, 0.3485, 0.1824



25.1256, 0.5694, 0.4122



25.1256, 0.2238, 0.5859



25.1256, 0.0946, 0.1525

Rectangle

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



25.1256, 0.3485, 0.1824



25.1256, 0.5832, 0.2995



25.1256, 0.2238, 0.5859



25.1256, 0.0999, 0.2703

Sweetspot

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



25.1268, 0.3485, 0.1824



66.4558, 0.3215, 0.2766



10.0023, 0.1759, 0.0905



13.3700, 0.3230, 0.2687



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.



25.1268, 0.3485, 0.1824



26.9254, 0.3562, 0.1753



21.7082, 0.4885, 0.2687



15.2769, 0.3158, 0.3089



12.2540, 0.3580, 0.1746



0.9719, 0.3521, 0.1713

Inverse Universe

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



25.1268, 0.3485, 0.1824



26.9254, 0.3562, 0.1753



64.1544, 0.2574, 0.4256



15.2769, 0.3158, 0.3089



12.2540, 0.3580, 0.1746



0.9719, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 25.1256, 0.3485, 0.1824 looks on a white background.

Color Contrast Check

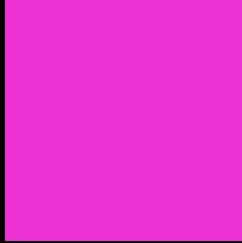
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1256, 0.3485, 0.1824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

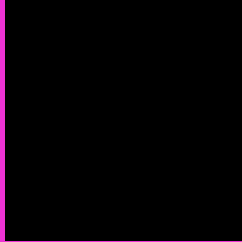
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1256, 0.3485, 0.1824

Background



This preview shows how black text looks on a background with the Yxy color 25.1256, 0.3485, 0.1824.



This preview shows how white text looks on a background with the Yxy color 25.1256, 0.3485, 0.1824.

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

25.1256, 0.3485, 0.1824

Protanopia

25.7260, 0.1920, 0.1680

Deuteranopia

25.5062, 0.2374, 0.2324



Tritanopia

24.9176, 0.4856, 0.3220

Trichromacy



Original Color

25.1256, 0.3485, 0.1824



Protanomaly

21.1192, 0.2230, 0.1559



Deuteranomaly

21.8358, 0.2685, 0.1957



Tritanomaly

24.1949, 0.4360, 0.2627

Monochromacy



Original Color

25.1256, 0.3485, 0.1824



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.2767, 0.3285, 0.2419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1256, 0.3485, 0.1824 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(237, 51, 212)` looks like.

```
.text, #text, p{  
    color:rgb(237, 51, 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(237, 51, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 51, 212) }
```

Border

The CSS property to change the border of an element to Yxy 25.1256, 0.3485, 0.1824 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(237, 51, 212) }
```

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

```
.border{ border-color:rgb(237, 51, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 51, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 51, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 51, 212);  
box-shadow:4px 4px 4px 4px rgb(237, 51,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1256, 0.3485, 0.1824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 51, 212) }
```

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

```
.background{ background-color: rgb(237, 51,  
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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