

Converting Colors

$Y_{xy}(25.1645, 0.4209, 0.2145)$

Have a look what the booklet for
Yxy(25.1645, 0.4209, 0.2145)
contains.

Yxy(25.1857, 0.4207, 0.2145)	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(25.1857, 0.4207, 0.2145)

Conversions

Conversions Part 1

Format	Color
Hex	FF1CAF
RGB	255, 28, 175
RGB Percent	100%, 11%, 69%
CMY	0.0000, 0.8903, 0.3136
CMYK	0.00, 0.89, 0.31, 0.00
HSL	321°, 100%, 55%
HSV	321°, 89%, 100%
XYZ	49.3968, 25.1857, 42.8333
YIQ	112.6310, 88.1050, 93.8410

Conversions

Conversions Part 2

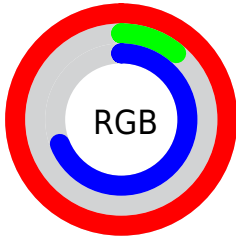
Format	Color
R _Y B	255, 28, 175
Decimal	16719023
CIE _{Lab}	57.26, 86.24, -20.24
CIE _{LCh}	57, 88.583, 346.791
Y _{xy}	25.1857, 0.4207, 0.2145
Android (android.graphics.Color)	4294909103 (0xFFFF1CAF)
YUV	112.6310, 30.7479, 124.8576
Hunter-Lab	50.1854, 87.8710, -15.4744

Details

The Yxy color **25.1857, 0.4207, 0.2145** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **72.8483, 0.2822, 0.5280**, and the grayscale version is **16.2851, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7546, 0.3420, 0.2116**, and **12.7426, 0.4415, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **24.0691, 0.4361, 0.2180**, and if you desaturate by 10%, it is **27.3122, 0.4049, 0.2160**.

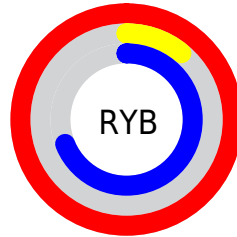
Distribution



Red (100%)

Green (11%)

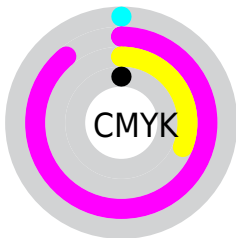
Blue (69%)



Red (100%)

Yellow (11%)

Blue (69%)

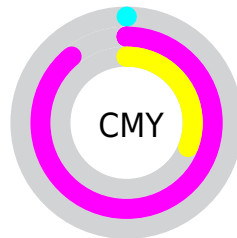


Cyan (0%)

Magenta (89%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (89%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1857, 0.4207, 0.2145 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 25.1857, 0.4207, 0.2145 by changing the saturation by 10% instead.


 25.1857, 0.4207,
0.2145


 25.1857, 0.4207,
0.2145


278.7615, 0.3648,
0.2713


 16.2155, 0.4351,
0.2007


 51.9583, 0.4000,
0.2349

 9.6767, 0.4537,
0.1834


 70.5295, 0.3924,
0.2427

 5.1852, 0.4787,
0.1610


 93.0698, 0.3859,
0.2492

 2.3563, 0.5137,
0.1315

 119.9635, 0.3804,
0.2549

 0.8033, 0.5652,
0.0921

 151.5952, 0.3757,
0.2598

 0.0000, 0.6729,
0.0000

188.3492, 0.3716,

 0.0000, 1.0000,

0.2641

0.0000

230.6098, 0.3680,
0.2679

■ 0.0000, 0.0000,
0.0000

■ 25.1857, 0.4207,
0.2145

■ 25.1857, 0.4207,
0.2145

■ 24.0691, 0.4361,
0.2180

■ 27.3122, 0.4049,
0.2160

■ 23.9831, 0.4376,
0.2184

■ 30.7002, 0.3891,
0.2226

■ 35.5222, 0.3740,
0.2335

■ 41.9230, 0.3600,
0.2475

■ 50.0293, 0.3474,
0.2635

■ 59.9553, 0.3364,
0.2805

■ 71.8049, 0.3269,
0.2977

■ 85.6743, 0.3189,
0.3145

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.1857, 0.2682, 0.1615



25.1857, 0.4207, 0.2145



25.1857, 0.5556, 0.2863

Triad

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



25.1857, 0.4207, 0.2145



25.1857, 0.4153, 0.5630



25.1857, 0.0953, 0.1902

Complementary

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



25.1857, 0.4207, 0.2145



72.8483, 0.2822, 0.5280

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.



25.1857, 0.1139, 0.3062



25.1857, 0.4207, 0.2145



25.1857, 0.2933, 0.6130

Square

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



25.1857, 0.4207, 0.2145



25.1857, 0.5254, 0.4587



25.1857, 0.1816, 0.4976



25.1857, 0.1118, 0.1435

Rectangle

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



25.1857, 0.4207, 0.2145



25.1857, 0.5902, 0.3380



25.1857, 0.1816, 0.4976



25.1857, 0.0971, 0.2193

Sweetspot

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



25.1864, 0.4207, 0.2145



62.1963, 0.3344, 0.2840



11.2031, 0.1873, 0.0854



12.5136, 0.3378, 0.2782



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.



25.1864, 0.4207, 0.2145



23.9831, 0.4376, 0.2184



22.4381, 0.5938, 0.3133



18.1853, 0.3192, 0.3137



12.5611, 0.4351, 0.2171



1.2438, 0.4186, 0.2080

Inverse Universe

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



25.1864, 0.4207, 0.2145



23.9831, 0.4376, 0.2184



76.9844, 0.2382, 0.3721



18.1853, 0.3192, 0.3137



12.5611, 0.4351, 0.2171



1.2438, 0.4186, 0.2080

Previews

White Background



This preview shows how the Yxy color 25.1857, 0.4207, 0.2145 looks on a white background.

Color Contrast Check

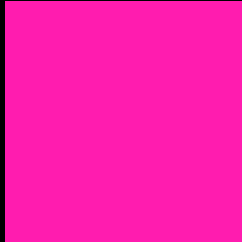
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1857, 0.4207, 0.2145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

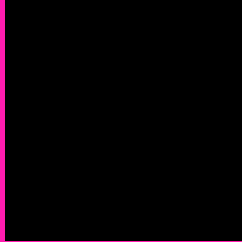
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1857, 0.4207, 0.2145

Background



This preview shows how black text looks on a background with the Yxy color 25.1857, 0.4207, 0.2145.



This preview shows how white text looks on a background with the Yxy color 25.1857, 0.4207, 0.2145.

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

25.1857, 0.4207, 0.2145

Protanopia

25.6824, 0.1996, 0.1768

Deuteranopia

25.4972, 0.2884, 0.2827



Tritanopia

25.2433, 0.5498, 0.3273

Trichromacy



Original Color

25.1857, 0.4207, 0.2145



Protanomaly

19.5548, 0.2450, 0.1649



Deuteranomaly

21.0167, 0.3337, 0.2314



Tritanomaly

24.6053, 0.5105, 0.2844

Monochromacy



Original Color

25.1857, 0.4207, 0.2145



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.8115, 0.3595, 0.2474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1857, 0.4207, 0.2145 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(255, 28, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 28, 175)  
}
```

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(255, 28, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 28, 175) }
```

Border

The CSS property to change the border of an element to Yxy 25.1857, 0.4207, 0.2145 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(255, 28, 175) }
```

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

```
.border{ border-color:rgb(255, 28, 175) }
```

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

Here you see how a box with a 4 pixel rgb(255, 28, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 28, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 28, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 28,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1857, 0.4207, 0.2145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 28, 175) }
```

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

```
.background{ background-color: rgb(255, 28,  
175) }
```

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