

Converting Colors

$Y_{xy}(25.7119, 0.3951, 0.1986)$

Have a look what the booklet for
Yxy(25.7119, 0.3951, 0.1986)
contains.

Yxy(25.7230, 0.3948, 0.1985)	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(25.7230, 0.3948, 0.1985)

Conversions

Conversions Part 1

Format	Color
Hex	FF17C1
RGB	255, 23, 193
RGB Percent	100%, 9%, 76%
CMY	0.0001, 0.9090, 0.2433
CMYK	0.00, 0.91, 0.24, 0.00
HSL	316°, 100%, 55%
HSV	316°, 91%, 100%
XYZ	51.1609, 25.7230, 52.7030
YIQ	111.7480, 83.7020, 102.0540

Conversions

Conversions Part 2

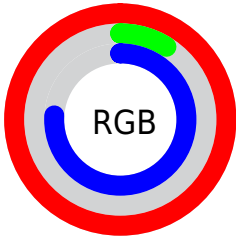
Format	Color
R _Y B	255, 23, 193
Decimal	16717761
CIE Lab	57.77, 88.74, -29.84
CIE LCh	58, 93.621, 341.416
Yxy	25.7230, 0.3948, 0.1985
Android (android.graphics.Color)	4294907841 (0xFFFF17C1)
YUV	111.7480, 40.0572, 125.6320
Hunter-Lab	50.7178, 91.3031, -26.1082

Details

The Yxy color **25.7230, 0.3948, 0.1985** 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 **72.3445, 0.2889, 0.5535**, and the grayscale version is **16.0221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6775, 0.3237, 0.1964**, and **13.2015, 0.4074, 0.2018** is the 20% darker color. If you saturate the color by 10%, you get **24.8319, 0.4045, 0.2002**, and if you desaturate by 10%, it is **27.5869, 0.3838, 0.2008**.

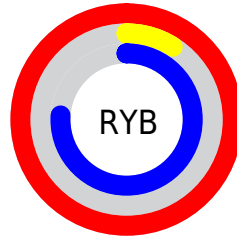
Distribution



Red (100%)

Green (9%)

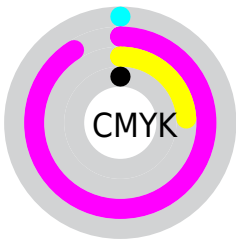
Blue (76%)



Red (100%)

Yellow (9%)

Blue (76%)

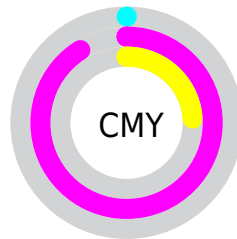


Cyan (0%)

Magenta (91%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (91%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7230, 0.3948, 0.1985 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 25.7230, 0.3948, 0.1985 by changing the saturation by 10% instead.


 25.7230, 0.3948,
0.1985


 25.7230, 0.3948,
0.1985


281.4196, 0.3542,
0.2613


 16.6165, 0.4046,
0.1839


 52.8277, 0.3803,
0.2206

 9.9615, 0.4170,
0.1659


 71.5948, 0.3747,
0.2291

 5.3734, 0.4329,
0.1433


 94.3508, 0.3700,
0.2364

 2.4680, 0.4540,
0.1145

 121.4803, 0.3660,
0.2427

 0.8605, 0.4827,
0.0781

 153.3675, 0.3625,
0.2482

 0.0000, 0.5412,
0.0000

190.3968, 0.3594,

 0.0000, 0.5898,

0.2531

0.0000

232.9528, 0.3567,
0.2574

■ 0.0000, 0.0000,
0.0000

■ 25.7230, 0.3948,
0.1985

■ 25.7230, 0.3948,
0.1985

■ 24.8319, 0.4045,
0.2002


■ 27.5869, 0.3838,
0.2008

■ 30.6652, 0.3726,
0.2081


■ 35.1376, 0.3615,
0.2197


■ 41.1526, 0.3511,
0.2348

■ 48.8398, 0.3415,
0.2522

 58.3150, 0.3329,
0.2710

 69.6837, 0.3253,
0.2902

 83.0432, 0.3188,
0.3092

 98.4839, 0.3132,
0.3274

Harmonies

Analogous

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



25.7230, 0.2423, 0.1494



25.7230, 0.3948, 0.1985



25.7230, 0.5478, 0.2694

Triad

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



25.7230, 0.3948, 0.1985



25.7230, 0.4373, 0.5509



25.7230, 0.0894, 0.1988

Complementary

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



25.7230, 0.3948, 0.1985



72.3445, 0.2889, 0.5535

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.



25.7230, 0.1149, 0.3356



25.7230, 0.3948, 0.1985



25.7230, 0.3113, 0.6273

Square

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



25.7230, 0.3948, 0.1985



25.7230, 0.5471, 0.4399



25.7230, 0.1931, 0.5422



25.7230, 0.1005, 0.1422

Rectangle

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



25.7230, 0.3948, 0.1985



25.7230, 0.5974, 0.3208



25.7230, 0.1931, 0.5422



25.7230, 0.0931, 0.2335

Sweetspot

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



25.7244, 0.3948, 0.1985



62.5310, 0.3298, 0.2785



9.7712, 0.1738, 0.0768



12.5930, 0.3325, 0.2719



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.



25.7244, 0.3948, 0.1985



24.8386, 0.4045, 0.2002



22.4153, 0.5761, 0.3011



18.2125, 0.3179, 0.3117



13.0048, 0.4028, 0.1993



1.2844, 0.3913, 0.1929

Inverse Universe

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



25.7244, 0.3948, 0.1985



24.8386, 0.4045, 0.2002



75.8973, 0.2456, 0.3996



18.2125, 0.3179, 0.3117



13.0048, 0.4028, 0.1993



1.2844, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 25.7230, 0.3948, 0.1985 looks on a white background.

Color Contrast Check

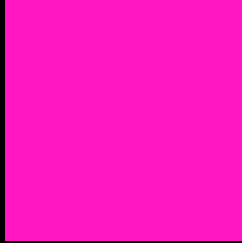
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7230, 0.3948, 0.1985 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

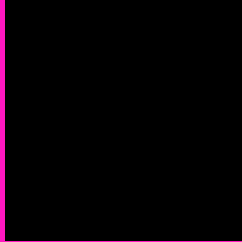
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7230, 0.3948, 0.1985

Background



This preview shows how black text looks on a background with the Yxy color 25.7230, 0.3948, 0.1985.



This preview shows how white text looks on a background with the Yxy color 25.7230, 0.3948, 0.1985.

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

25.7230, 0.3948, 0.1985

Protanopia

26.4906, 0.1944, 0.1712

Deuteranopia

26.0528, 0.2664, 0.2604



Tritanopia

25.6508, 0.5375, 0.3263

Trichromacy



Original Color

25.7230, 0.3948, 0.1985



Protanomaly

19.8503, 0.2335, 0.1546



Deuteranomaly

21.0986, 0.3076, 0.2104



Tritanomaly

24.5710, 0.4927, 0.2746

Monochromacy



Original Color

25.7230, 0.3948, 0.1985



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.5529, 0.3508, 0.2373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7230, 0.3948, 0.1985 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, 23, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 193)  
}
```

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, 23, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 193) }
```

Border

The CSS property to change the border of an element to Yxy 25.7230, 0.3948, 0.1985 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, 23, 193) }
```

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

```
.border{ border-color:rgb(255, 23, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 23, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7230, 0.3948, 0.1985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 193) }
```

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

```
.background{ background-color: rgb(255, 23,  
193) }
```

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