

Converting Colors

$Y_{xy}(25.8064, 0.3901, 0.2220)$

Have a look what the booklet for
Yxy(25.8064, 0.3901, 0.2220)
contains.

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Color

Yxy(25.7657, 0.3896, 0.2215)

Conversions

Conversions Part 1

Format	Color
Hex	ED47B3
RGB	237, 71, 179
RGB Percent	93%, 28%, 70%
CMY	0.0705, 0.7216, 0.2980
CMYK	0.00, 0.70, 0.24, 0.07
HSL	321°, 82%, 60%
HSV	321°, 70%, 93%
XYZ	45.3197, 25.7657, 45.2383
YIQ	132.9460, 64.2680, 68.7800

Conversions

Conversions Part 2

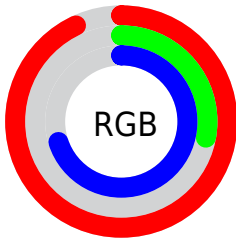
Format	Color
R _Y B	237, 71, 179
Decimal	15550387
CIE Lab	57.81, 72.45, -21.97
CIE LCh	58, 75.713, 343.130
Yxy	25.7657, 0.3896, 0.2215
Android (android.graphics.Color)	4293740467 (0xFFED47B3)
YUV	132.9460, 22.7046, 91.2554
Hunter-Lab	50.7599, 70.5393, -17.3085

Details

The Yxy color **25.7657, 0.3896, 0.2215** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **63.5014, 0.2804, 0.4832**, and the grayscale version is **23.3318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4908, 0.3361, 0.2272**, and **10.8535, 0.4098, 0.2031** is the 20% darker color. If you saturate the color by 10%, you get **22.9931, 0.4052, 0.2152**, and if you desaturate by 10%, it is **29.7358, 0.3746, 0.2321**.

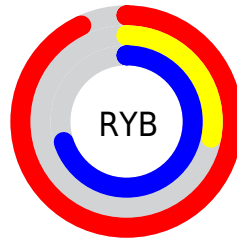
Distribution



Red (93%)

Green (28%)

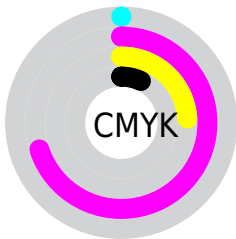
Blue (70%)



Red (93%)

Yellow (28%)

Blue (70%)

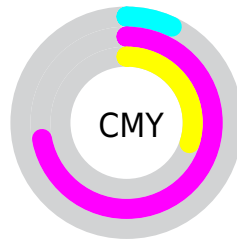


Cyan (0%)

Magenta (70%)

Yellow (24%)

Black (7%)



Cyan (7%)


Magenta (72%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7657, 0.3896, 0.2215 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 25.7657, 0.3896, 0.2215 by changing the saturation by 10% instead.


 25.7657, 0.3896,
0.2215


 25.7657, 0.3896,
0.2215


281.6300, 0.3503,
0.2749


 16.6484, 0.3996,
0.2085


 52.8967, 0.3752,
0.2407

 9.9842, 0.4125,
0.1920


 71.6793, 0.3698,
0.2480

 5.3885, 0.4297,
0.1707


 94.4524, 0.3652,
0.2542

 2.4769, 0.4536,
0.1422

 121.6004, 0.3614,
0.2595

 0.8651, 0.4886,
0.1035

 153.5078, 0.3580,
0.2641

 0.0000, 0.5723,
0.0000

190.5590, 0.3551,


 0.0000, 0.8786,

0.2682


0.0000

233.1382, 0.3526,
0.2717


 0.0000, 0.0000,
0.0000


 25.7657, 0.3896,
0.2215


 25.7657, 0.3896,
0.2215


 22.9931, 0.4052,
0.2152


 29.7358, 0.3746,
0.2321


 21.2681, 0.4207,
0.2140

 35.0219, 0.3607,
0.2459

 20.3474, 0.4358,
0.2175

 41.7327, 0.3482,
0.2618


 49.9643, 0.3372,
0.2788

 59.8044, 0.3277,
0.2960

 71.3340, 0.3196,
0.3128

 84.6287, 0.3127,
0.3289

 96.1354, 0.3072,
0.3386

 96.6533, 0.3026,
0.3304

Harmonies

Analogous

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



25.7657, 0.2618, 0.1753



25.7657, 0.3896, 0.2215



25.7657, 0.5103, 0.2873

Triad

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



25.7657, 0.3896, 0.2215



25.7657, 0.4267, 0.5304



25.7657, 0.1174, 0.2189

Complementary

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



25.7657, 0.3896, 0.2215



63.5014, 0.2804, 0.4832

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.



25.7657, 0.1425, 0.3307



25.7657, 0.3896, 0.2215



25.7657, 0.3179, 0.5697

Square

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



25.7657, 0.3896, 0.2215



25.7657, 0.5165, 0.4448



25.7657, 0.2131, 0.4868



25.7657, 0.1283, 0.1674

Rectangle

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



25.7657, 0.3896, 0.2215



25.7657, 0.5512, 0.3362



25.7657, 0.2131, 0.4868



25.7657, 0.1213, 0.2487

Sweetspot

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



25.7670, 0.3896, 0.2215



69.3165, 0.3286, 0.2942



15.0807, 0.2131, 0.1227



14.1174, 0.3311, 0.2894



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.



25.7670, 0.3896, 0.2215



26.1342, 0.4119, 0.2141



23.4062, 0.5120, 0.3040



15.2192, 0.3191, 0.3138



11.1330, 0.4334, 0.2161



0.8923, 0.4138, 0.2053

Inverse Universe

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



25.7670, 0.3896, 0.2215



26.1342, 0.4119, 0.2141



66.5372, 0.2441, 0.3655



15.2192, 0.3191, 0.3138



11.1330, 0.4334, 0.2161



0.8923, 0.4138, 0.2053

Previews

White Background



This preview shows how the Yxy color 25.7657, 0.3896, 0.2215 looks on a white background.

Color Contrast Check

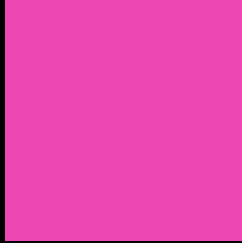
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7657, 0.3896, 0.2215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

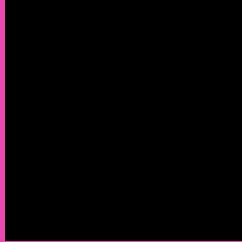
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7657, 0.3896, 0.2215

Background



This preview shows how black text looks on a background with the Yxy color 25.7657, 0.3896, 0.2215.



This preview shows how white text looks on a background with the Yxy color 25.7657, 0.3896, 0.2215.

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

25.7657, 0.3896, 0.2215

Protanopia

26.0902, 0.2151, 0.1974

Deuteranopia

25.8290, 0.2811, 0.2753



Tritanopia

25.5718, 0.4895, 0.3222

Trichromacy



Original Color

25.7657, 0.3896, 0.2215



Protanomaly

22.8708, 0.2577, 0.1944



Deuteranomaly

23.4897, 0.3167, 0.2434



Tritanomaly

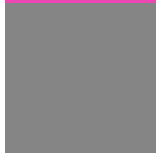
25.4056, 0.4548, 0.2831

Monochromacy



Original Color

25.7657, 0.3896, 0.2215



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

22.0118, 0.3419, 0.2700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7657, 0.3896, 0.2215 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, 71, 179)` looks like.

```
.text, #text, p{  
    color:rgb(237, 71, 179)  
}
```

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, 71, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 71, 179) }
```

Border

The CSS property to change the border of an element to Yxy 25.7657, 0.3896, 0.2215 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, 71, 179) }
```

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

```
.border{ border-color:rgb(237, 71, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 71, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 71, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 71, 179);  
box-shadow:4px 4px 4px 4px rgb(237, 71,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7657, 0.3896, 0.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 71, 179) }
```

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

```
.background{ background-color: rgb(237, 71,  
179) }
```

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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