

Converting Colors

$Y_{xy}(25.8741, 0.3749, 0.2112)$

Have a look what the booklet for
Yxy(25.8741, 0.3749, 0.2112)
contains.

Yxy(25.8873, 0.3750, 0.2112)	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(25.8873, 0.3750, 0.2112)

Conversions

Conversions Part 1

Format	Color
Hex	EC46BD
RGB	236, 70, 189
RGB Percent	93%, 27%, 74%
CMY	0.0746, 0.7254, 0.2588
CMYK	0.00, 0.70, 0.20, 0.07
HSL	317°, 81%, 60%
HSV	317°, 70%, 93%
XYZ	45.9647, 25.8873, 50.7205
YIQ	133.2000, 60.7370, 72.2010

Conversions

Conversions Part 2

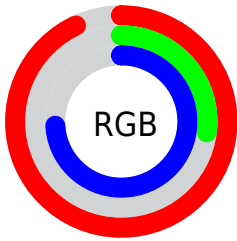
Format	Color
RYB	236, 70, 189
Decimal	15484605
CIELab	57.93, 73.80, -27.57
CIELCh	58, 78.782, 339.514
Yxy	25.8873, 0.3750, 0.2112
Android (android.graphics.Color)	4293674685 (0xFFEC46BD)
YUV	133.2000, 27.5094, 90.1556
Hunter-Lab	50.8796, 72.2179, -23.4889

Details

The Yxy color **25.8873, 0.3750, 0.2112** 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 **62.5714, 0.2851, 0.4993**, and the grayscale version is **23.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1464, 0.3261, 0.2181**, and **10.9794, 0.3900, 0.1922** is the 20% darker color. If you saturate the color by 10%, you get **23.2091, 0.3870, 0.2038**, and if you desaturate by 10%, it is **29.7407, 0.3633, 0.2229**.

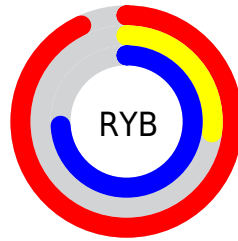
Distribution



Red (93%)

Green (27%)

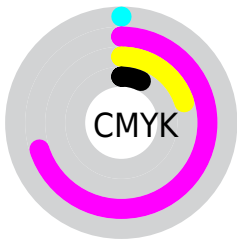
Blue (74%)



Red (93%)

Yellow (27%)

Blue (74%)

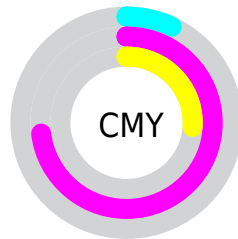


Cyan (0%)

Magenta (70%)

Yellow (20%)

Black (7%)



Cyan (7%)

Magenta (73%)

Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8873, 0.3750, 0.2112 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 25.8873, 0.3750, 0.2112 by changing the saturation by 10% instead.


 25.8873, 0.3750,
0.2112


 25.8873, 0.3750,
0.2112


282.2284, 0.3442,
0.2688


 16.7393, 0.3825,
0.1975


 53.0931, 0.3640,
0.2317

 10.0488, 0.3919,
0.1803


 71.9197, 0.3598,
0.2395


 5.4313, 0.4040,
0.1584


 94.7413, 0.3562,
0.2462

 2.5025, 0.4202,
0.1298

 121.9423, 0.3531,
0.2520

 0.8779, 0.4421,
0.0921

 153.9072, 0.3505,
0.2570

 0.0000, 0.4938,
0.0000

191.0202, 0.3481,

 0.0000, 0.5293,

0.2614


0.0000

233.6658, 0.3460,
0.2653


 0.0000, 0.0000,
0.0000

 25.8873, 0.3750,
0.2112


 25.8873, 0.3750,
0.2112


 23.2091, 0.3870,
0.2038


 29.7407, 0.3633,
0.2229


 21.5572, 0.3988,
0.2014

 34.8871, 0.3523,
0.2378

 20.7021, 0.4099,
0.2032


 41.4338, 0.3423,
0.2551


 49.4763, 0.3333,
0.2735

 59.1014, 0.3254,
0.2922

 70.3893, 0.3186,
0.3107

 83.4146, 0.3129,
0.3284

 95.7886, 0.3081,
0.3415

 96.1985, 0.3044,
0.3348

Harmonies

Analogous

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



25.8873, 0.2464, 0.1672



25.8873, 0.3750, 0.2112



25.8873, 0.5057, 0.2765

Triad

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



25.8873, 0.3750, 0.2112



25.8873, 0.4406, 0.5254



25.8873, 0.1132, 0.2248

Complementary

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



25.8873, 0.3750, 0.2112



62.5714, 0.2851, 0.4993

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.



25.8873, 0.1433, 0.3486



25.8873, 0.3750, 0.2112



25.8873, 0.3298, 0.5798

Square

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



25.8873, 0.3750, 0.2112



25.8873, 0.5300, 0.4347



25.8873, 0.2205, 0.5114



25.8873, 0.1205, 0.1664

Rectangle

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



25.8873, 0.3750, 0.2112



25.8873, 0.5552, 0.3255



25.8873, 0.2205, 0.5114



25.8873, 0.1185, 0.2580

Sweetspot

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



25.8886, 0.3750, 0.2112



69.5252, 0.3260, 0.2908



14.0353, 0.2041, 0.1178



14.1673, 0.3281, 0.2856



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.



25.8886, 0.3750, 0.2112



26.7433, 0.3918, 0.2022



23.3131, 0.4962, 0.2927



15.2368, 0.3181, 0.3123



11.4360, 0.4081, 0.2022



0.9143, 0.3932, 0.1940

Inverse Universe

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



25.8886, 0.3750, 0.2112



26.7433, 0.3918, 0.2022



65.3301, 0.2488, 0.3814



15.2368, 0.3181, 0.3123



11.4360, 0.4081, 0.2022



0.9143, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 25.8873, 0.3750, 0.2112 looks on a white background.

Color Contrast Check

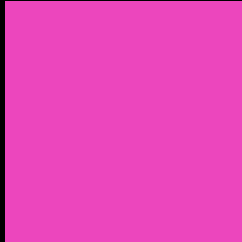
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8873, 0.3750, 0.2112 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

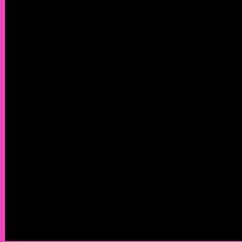
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8873, 0.3750, 0.2112

Background



This preview shows how black text looks on a background with the Yxy color 25.8873, 0.3750, 0.2112.

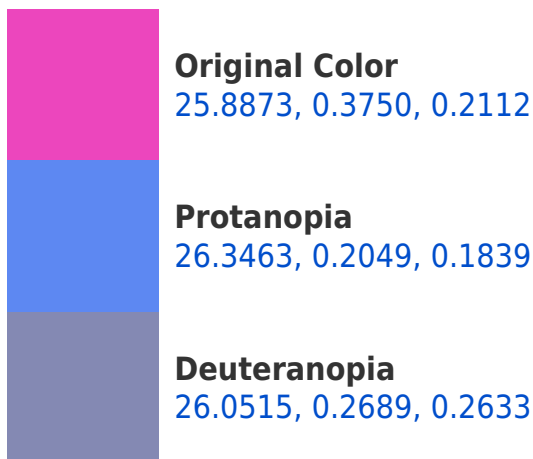


This preview shows how white text looks on a background with the Yxy color 25.8873, 0.3750, 0.2112.

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

25.8190, 0.4827, 0.3231

Trichromacy



Original Color

25.8873, 0.3750, 0.2112



Protanomaly

22.9358, 0.2437, 0.1815



Deuteranomaly

23.7752, 0.3026, 0.2318



Tritanomaly

25.5265, 0.4443, 0.2789

Monochromacy



Original Color

25.8873, 0.3750, 0.2112



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

21.9978, 0.3369, 0.2656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8873, 0.3750, 0.2112 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(236, 70, 189)` looks like.

```
.text, #text, p{  
    color:rgb(236, 70, 189)  
}
```

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(236, 70, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 70, 189) }
```

Border

The CSS property to change the border of an element to Yxy 25.8873, 0.3750, 0.2112 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(236, 70, 189) }
```

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

```
.border{ border-color:rgb(236, 70, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 70, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 70, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 70, 189);  
box-shadow:4px 4px 4px 4px rgb(236, 70,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8873, 0.3750, 0.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 70, 189) }
```

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

```
.background{ background-color: rgb(236, 70,  
189) }
```

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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