

Converting Colors

$Y_{xy}(33.0558, 0.3812, 0.2540)$

Have a look what the booklet for
Yxy(33.0558, 0.3812, 0.2540)
contains.

Yxy(33.0558, 0.3812, 0.2540)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.0558, 0.3812, 0.2540)

Conversions

Conversions Part 1

Format	Color
Hex	EF6FB5
RGB	239, 111, 181
RGB Percent	94%, 44%, 71%
CMY	0.0629, 0.5645, 0.2902
CMYK	0.00, 0.54, 0.24, 0.06
HSL	327°, 80%, 69%
HSV	327°, 54%, 94%
XYZ	49.6097, 33.0558, 47.4754
YIQ	157.2520, 53.8180, 48.9060

Conversions

Conversions Part 2

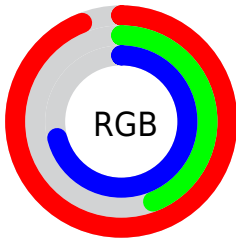
Format	Color
R_{YB}	239, 111, 181
Decimal	15691701
CIE _{Lab}	64.21, 56.86, -13.37
CIE _{LCh}	64, 58.410, 346.766
Yxy	33.0558, 0.3812, 0.2540
Android (android.graphics.Color)	4293881781 (0xFFEF6FB5)
YUV	157.2520, 11.7078, 71.6930
Hunter-Lab	57.4942, 53.4067, -8.7124

Details

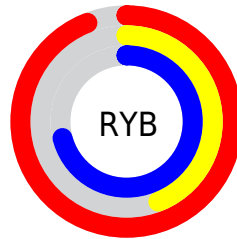
The Yxy color **33.0558, 0.3812, 0.2540** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **67.9553, 0.2772, 0.4225**, and the grayscale version is **33.7693, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.0119, 0.3312, 0.2590**, and **13.9942, 0.4019, 0.2335** is the 20% darker color. If you saturate the color by 10%, you get **28.0920, 0.4008, 0.2433**, and if you desaturate by 10%, it is **39.4520, 0.3637, 0.2671**.

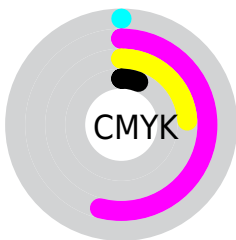
Distribution



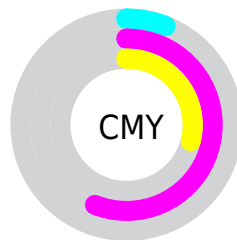
- Red (94%)
- Green (44%)
- Blue (71%)



- Red (94%)
- Yellow (44%)
- Blue (71%)



- Cyan (0%)
- Magenta (54%)
- Yellow (24%)
- Black (6%)




- Cyan (6%)
- Magenta (56%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0558, 0.3812, 0.2540 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 33.0558, 0.3812, 0.2540 by changing the saturation by 10% instead.


 33.0558, 0.3812,
0.2540


 33.0558, 0.3812,
0.2540


315.9011, 0.3463,
0.2912


 22.1692, 0.3901,
0.2448


 64.4626, 0.3684,
0.2674

 13.9813, 0.4016,
0.2332


 85.7517, 0.3636,
0.2725

 8.1076, 0.4170,
0.2179


 111.2769, 0.3596,
0.2768

 4.1639, 0.4387,
0.1971

141.4229, 0.3561,
0.2805

 1.7657, 0.4713,
0.1672

176.5739, 0.3532,
0.2837

 0.4656, 0.5326,
0.1093

217.1143, 0.3506,

 0.0000, 0.7670,

0.2865


0.0000


263.4286, 0.3483,
0.2890


 0.0000, 0.0000,
0.0000

 33.0558, 0.3812,
0.2540


 33.0558, 0.3812,
0.2540

 28.0920, 0.4008,
0.2433


 39.4520, 0.3637,
0.2671


 24.4410, 0.4220,
0.2362


 47.3779, 0.3485,
0.2813


 21.9719, 0.4439,
0.2339

 56.9277, 0.3356,
0.2960

 20.5236, 0.4656,
0.2370

 68.1866, 0.3246,
0.3105

 19.9729, 0.4792,
0.2414

 81.2340, 0.3155,
0.3243

 96.1441, 0.3080,
0.3373

 97.0833, 0.3029,
0.3290

Harmonies

Analogous

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



33.0558, 0.2877, 0.2137



33.0558, 0.3812, 0.2540



33.0558, 0.4617, 0.3098

Triad

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



33.0558, 0.3812, 0.2540



33.0558, 0.3995, 0.4882



33.0558, 0.1606, 0.2444

Complementary

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



33.0558, 0.3812, 0.2540



67.9553, 0.2772, 0.4225

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.



33.0558, 0.1807, 0.3229



33.0558, 0.3812, 0.2540



33.0558, 0.3155, 0.4922

Square

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



33.0558, 0.3812, 0.2540



33.0558, 0.4656, 0.4372



33.0558, 0.2352, 0.4243



33.0558, 0.1722, 0.2039

Rectangle

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



33.0558, 0.3812, 0.2540



33.0558, 0.4889, 0.3515



33.0558, 0.2352, 0.4243



33.0558, 0.1636, 0.2663

Sweetspot

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



33.0574, 0.3812, 0.2540



75.5403, 0.3272, 0.3069



25.9993, 0.2533, 0.1754



15.5789, 0.3294, 0.3039



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.



33.0574, 0.3812, 0.2540



32.2175, 0.4022, 0.2427



31.0164, 0.4630, 0.3226



15.9035, 0.3208, 0.3162



11.0688, 0.4761, 0.2396



0.9409, 0.4500, 0.2252

Inverse Universe

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



33.0574, 0.3812, 0.2540



32.2175, 0.4022, 0.2427



70.9484, 0.2471, 0.3367



15.9035, 0.3208, 0.3162



11.0688, 0.4761, 0.2396



0.9409, 0.4500, 0.2252

Previews

White Background



This preview shows how the Yxy color 33.0558, 0.3812, 0.2540 looks on a white background.

Color Contrast Check

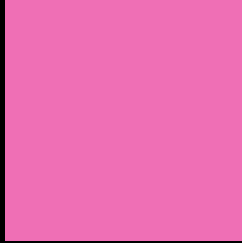
Large Text (above 18pt) WCAG AA × Fail

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 33.0558, 0.3812, 0.2540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

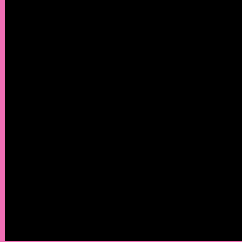
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0558, 0.3812, 0.2540

Background



This preview shows how black text looks on a background with the Yxy color 33.0558, 0.3812, 0.2540.



This preview shows how white text looks on a background with the Yxy color 33.0558, 0.3812, 0.2540.

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

33.0558, 0.3812, 0.2540

Protanopia

33.3898, 0.2551, 0.2496

Deuteranopia

33.2990, 0.3035, 0.2974



Tritanopia

33.0232, 0.4358, 0.3204

Trichromacy



Original Color

33.0558, 0.3812, 0.2540



Protanomaly

31.5772, 0.2929, 0.2472



Deuteranomaly

32.1420, 0.3299, 0.2764



Tritanomaly

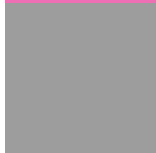
32.9597, 0.4159, 0.2948

Monochromacy



Original Color

33.0558, 0.3812, 0.2540



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

32.0741, 0.3367, 0.2938

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0558, 0.3812, 0.2540 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(239, 111, 181)` looks like.

```
.text, #text, p{  
    color:rgb(239, 111, 181)  
}
```

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(239, 111, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 111, 181) }
```

Border

The CSS property to change the border of an element to Yxy 33.0558, 0.3812, 0.2540 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(239, 111, 181) }
```

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

```
.border{ border-color:rgb(239, 111, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 111, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 111, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 111, 181);  
box-shadow:4px 4px 4px 4px rgb(239, 111,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0558, 0.3812, 0.2540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 111, 181) }
```

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

```
.background{ background-color: rgb(239,  
111, 181) }
```

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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