

Converting Colors

$Y_{xy}(33.7834, 0.4069, 0.2833)$

Have a look what the booklet for
Yxy(33.7834, 0.4069, 0.2833)
contains.

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Color

Yxy(33.7510, 0.4078, 0.2835)

Conversions

Conversions Part 1

Format	Color
Hex	F0759F
RGB	240, 117, 159
RGB Percent	94%, 46%, 62%
CMY	0.0589, 0.5411, 0.3765
CMYK	0.00, 0.51, 0.34, 0.06
HSL	340°, 80%, 70%
HSV	340°, 51%, 94%
XYZ	48.5491, 33.7510, 36.7511
YIQ	158.5650, 59.8260, 39.1380

Conversions

Conversions Part 2

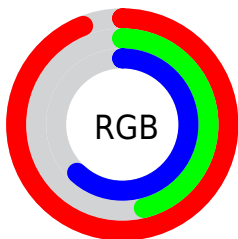
Format	Color
R _{YB}	240, 117, 159
Decimal	15758751
CIE Lab	64.76, 51.56, -0.00
CIE LCh	65, 51.562, 359.997
Yxy	33.7510, 0.4078, 0.2835
Android (android.graphics.Color)	4293948831 (0xFFFF0759F)
YUV	158.5650, 0.2145, 71.4185
Hunter-Lab	58.0956, 47.5007, 3.1603

Details

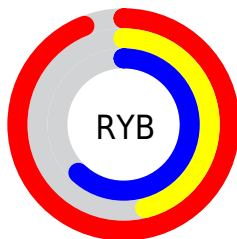
The Yxy color **33.7510, 0.4078, 0.2835** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **70.1710, 0.2657, 0.3829**, and the grayscale version is **34.4431, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.6201, 0.3503, 0.2859**, and **14.4615, 0.4380, 0.2691** is the 20% darker color. If you saturate the color by 10%, you get **28.3437, 0.4380, 0.2770**, and if you desaturate by 10%, it is **40.6651, 0.3816, 0.2918**.

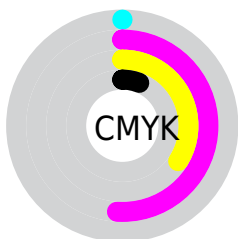
Distribution



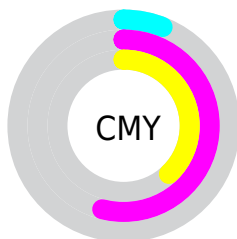
- Red (94%)
- Green (46%)
- Blue (62%)



- Red (94%)
- Yellow (46%)
- Blue (62%)



- Cyan (0%)
- Magenta (51%)
- Yellow (34%)
- Black (6%)





- Cyan (6%)
- Magenta (54%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7510, 0.4078, 0.2835 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 33.7510, 0.4078, 0.2835 by changing the saturation by 10% instead.


 33.7510, 0.4078,
0.2835


 33.7510, 0.4078,
0.2835

319.0203, 0.3579,
0.3074


 22.7024, 0.4210,
0.2772


 65.5463, 0.3892,
0.2924

 14.3739, 0.4382,
0.2689


 87.0617, 0.3823,
0.2957

 8.3812, 0.4619,
0.2576


 112.8349, 0.3766,
0.2984

 4.3398, 0.4961,
0.2412

143.2501, 0.3717,
0.3008

 1.8654, 0.5493,
0.2157

178.6919, 0.3676,
0.3028

 0.5275, 0.6595,
0.1630

219.5446, 0.3639,


 0.0000, 1.0000,


0.3045

0.0000


266.1926, 0.3608,
0.3060


 0.0000, 0.0000,
0.0000


 33.7510, 0.4078,
0.2835


 33.7510, 0.4078,
0.2835

 28.3437, 0.4380,
0.2770


 40.6651, 0.3816,
0.2918


 24.3236, 0.4713,
0.2735


 49.1833, 0.3596,
0.3010


 21.5612, 0.5060,
0.2743


 59.4009, 0.3413,
0.3104

 19.8996, 0.5392,
0.2802

 71.4039, 0.3263,
0.3194

 19.1299, 0.5652,
0.2887

 85.2728, 0.3141,
0.3280

 97.1873, 0.3042,
0.3301

 97.2621, 0.3035,
0.3290

Harmonies

Analogous

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



33.7510, 0.3268, 0.2394



33.7510, 0.4078, 0.2835



33.7510, 0.4621, 0.3385

Triad

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



33.7510, 0.4078, 0.2835



33.7510, 0.3600, 0.4771



33.7510, 0.1770, 0.2346

Complementary

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



33.7510, 0.4078, 0.2835



70.1710, 0.2657, 0.3829

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.



33.7510, 0.1829, 0.2905



33.7510, 0.4078, 0.2835



33.7510, 0.2838, 0.4507

Square

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



33.7510, 0.4078, 0.2835



33.7510, 0.4277, 0.4500



33.7510, 0.2196, 0.3736



33.7510, 0.2000, 0.2104

Rectangle

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



33.7510, 0.4078, 0.2835



33.7510, 0.4714, 0.3775



33.7510, 0.2196, 0.3736



33.7510, 0.1757, 0.2496

Sweetspot

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



33.7527, 0.4078, 0.2835



76.4591, 0.3317, 0.3160



30.8810, 0.2784, 0.1906



15.7406, 0.3348, 0.3141



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.



33.7527, 0.4078, 0.2835



32.5539, 0.4379, 0.2770



37.2654, 0.4489, 0.3494



15.8479, 0.3240, 0.3210



10.4961, 0.5609, 0.2864



0.8912, 0.5242, 0.2661

Inverse Universe

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



33.7527, 0.4078, 0.2835



32.5539, 0.4379, 0.2770



62.0712, 0.2417, 0.3058



15.8479, 0.3240, 0.3210



10.4961, 0.5609, 0.2864



0.8912, 0.5242, 0.2661

Previews

White Background



This preview shows how the Yxy color 33.7510, 0.4078, 0.2835 looks on a white background.

Color Contrast Check

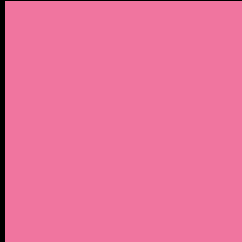
Large Text (above 18pt) WCAG AA × Fail

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 33.7510, 0.4078, 0.2835 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 33.7510, 0.4078, 0.2835

Background



This preview shows how black text looks on a background with the Yxy color 33.7510, 0.4078, 0.2835.



This preview shows how white text looks on a background with the Yxy color 33.7510, 0.4078, 0.2835.

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

33.7510, 0.4078, 0.2835

Protanopia

33.9681, 0.2866, 0.2900

Deuteranopia

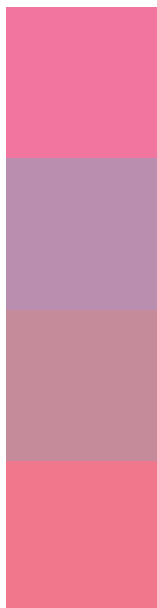
33.7551, 0.3342, 0.3276



Tritanopia

33.7349, 0.4386, 0.3195

Trichromacy



Original Color

33.7510, 0.4078, 0.2835

Protanomaly

32.7163, 0.3261, 0.2859

Deuteranomaly

32.8376, 0.3606, 0.3081

Tritanomaly

33.7068, 0.4282, 0.3063

Monochromacy



Original Color

33.7510, 0.4078, 0.2835

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.1411, 0.3444, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7510, 0.4078, 0.2835 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(240, 117, 159)` looks like.

```
.text, #text, p{  
    color:rgb(240, 117, 159)  
}
```

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(240, 117, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 117, 159) }
```

Border

The CSS property to change the border of an element to Yxy 33.7510, 0.4078, 0.2835 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(240, 117, 159) }
```

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

```
.border{ border-color:rgb(240, 117, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 117, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 117, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 117, 159);  
box-shadow:4px 4px 4px 4px rgb(240, 117,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7510, 0.4078, 0.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 117, 159) }
```

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

```
.background{ background-color: rgb(240,  
117, 159) }
```

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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