

Converting Colors

XYZ(47.7440, 33.5104, 38.4422)

Have a look what the booklet for
XYZ(47.7440, 33.5104, 38.4422)
contains.

XYZ(47.6814, 33.4341, 38.5907)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.6814, 33.4341,
38.5907)**

Conversions

Conversions Part 1

Format	Color
Hex	EC76A3
RGB	236, 118, 163
RGB Percent	93%, 46%, 64%
CMY	0.0745, 0.5372, 0.3608
CMYK	0.00, 0.50, 0.31, 0.07
HSL	337°, 76%, 69%
HSV	337°, 50%, 93%
XYZ	47.6814, 33.4341, 38.5907
YIQ	158.4120, 55.8830, 39.0110

Conversions

Conversions Part 2

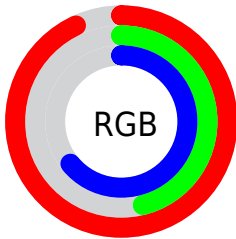
Format	Color
R_{YB}	236, 118, 163
Decimal	15496867
CIE _{Lab}	64.51, 50.26, -2.73
CIE _{LCh}	65, 50.334, 356.896
Yxy	33.4341, 0.3983, 0.2793
Android (android.graphics.Color)	4293686947 (0xFFEC76A3)
YUV	158.4120, 2.2619, 68.0447
Hunter-Lab	57.8222, 46.0059, 0.9053

Details

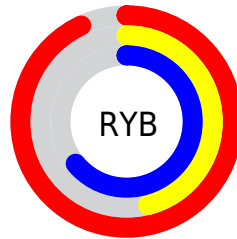
The XYZ color **47.6814, 33.4341, 38.5907** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **46.8723, 67.6050, 59.8725**, and the grayscale version is **32.6598, 34.3607, 37.4188**.

A 20% lighter version of the original color is **68.8385, 56.2091, 73.5509**, and **22.8341, 14.1616, 16.5689** is the 20% darker color. If you saturate the color by 10%, you get **44.0082, 28.0617, 31.2803**, and if you desaturate by 10%, it is **52.2027, 40.2605, 46.9297**.

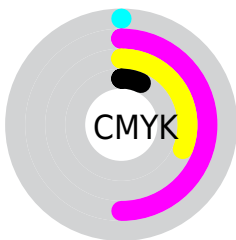
Distribution



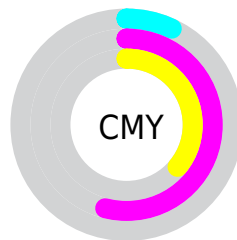
- Red (93%)
- Green (46%)
- Blue (64%)



- Red (93%)
- Yellow (46%)
- Blue (64%)



- Cyan (0%)
- Magenta (50%)
- Yellow (31%)
- Black (7%)





- Cyan (7%)
- Magenta (54%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6814, 33.4341, 38.5907 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 XYZ color 47.6814, 33.4341, 38.5907 by changing the saturation by 10% instead.


 47.6814, 33.4341,
38.5907


 47.6814, 33.4341,
38.5907


368.1315,
317.6013, 355.5210


 33.7849, 22.4592,
26.1361

 85.9424, 65.0527,
74.2261

 22.8905, 14.1947,
16.6988

 111.0376, 86.4651,
98.2439

 14.6329, 8.2562,
9.8603


 140.5964,
112.1256, 126.9532

 8.6468, 4.2593,
5.2020

174.9841,
142.4184, 160.7726

 4.5668, 1.8197,
2.3055

214.5661,
177.7280, 200.1205

 2.0275, 0.4994,
0.7343

259.7078,

 0.6493, 0.0000,

218.4387, 245.4155

0.0000

310.7745,
264.9350, 297.0762

■ 0.0000, 0.0000,
0.0000

■ 47.6814, 33.4341,
38.5907

■ 47.6814, 33.4341,
38.5907

■ 44.0082, 28.0617,
31.2803

■ 52.2027, 40.2605,
46.9297

■ 41.1222, 24.0305,
24.9519

■ 57.6215, 48.6326,
56.3368

■ 38.9587, 21.2192,
19.5577

■ 63.9867, 58.6405,
66.8516

■ 37.4399, 19.4818,
15.0436

■ 71.3425, 70.3656,
78.5107

■ 36.4376, 18.5712,
11.3364

■ 79.7306, 83.8842,
91.3493

■ 36.4373, 18.5710,
11.3354

■ 87.7026, 96.2931,
104.9048

■ 88.4022, 96.5729,
108.5889

Harmonies

Analogous

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



44.8253, 33.4341, 62.5983



47.6814, 33.4341, 38.5907



45.7737, 33.4341, 21.2676

Triad

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



47.6814, 33.4341, 38.5907



25.9244, 33.4341, 11.2768



24.8086, 33.4341, 80.6729

Complementary

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



47.6814, 33.4341, 38.5907



46.8723, 67.6050, 59.8725

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.



20.9728, 33.4341, 57.4175



47.6814, 33.4341, 38.5907



21.5455, 33.4341, 18.7763

Square

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



47.6814, 33.4341, 38.5907



32.5327, 33.4341, 9.4508



19.8741, 33.4341, 34.3016



31.0353, 33.4341, 91.9917

Rectangle

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



47.6814, 33.4341, 38.5907



42.1941, 33.4341, 14.4700



19.8741, 33.4341, 34.3016



23.2350, 33.4341, 73.6470

Sweetspot

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



47.6823, 33.4358, 38.5913



80.4597, 76.5454, 86.3842



43.0475, 30.0611, 82.8906



16.8306, 15.7613, 17.8671



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.6823, 33.4358, 38.5913



52.3666, 33.3128, 37.0852



46.0831, 35.5820, 21.5809



15.3031, 15.1491, 16.8816



20.1432, 10.2600, 6.5553



1.6273, 0.8239, 0.7549

Inverse Universe

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



47.6823, 33.4358, 38.5913



52.3666, 33.3128, 37.0852



48.7961, 62.2753, 88.8056



15.3031, 15.1491, 16.8816



20.1432, 10.2600, 6.5553



1.6273, 0.8239, 0.7549

Previews

White Background



This preview shows how the XYZ color 47.6814, 33.4341, 38.5907 looks on a white background.

Color Contrast Check

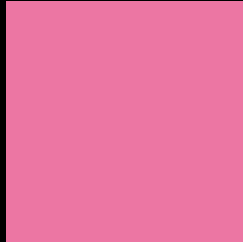
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.6814, 33.4341, 38.5907 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](#).

XYZ 47.6814, 33.4341, 38.5907

Background



This preview shows how black text looks on a background with the XYZ color 47.6814, 33.4341, 38.5907.



This preview shows how white text looks on a background with the XYZ color 47.6814, 33.4341,

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

47.6814, 33.4341, 38.5907

Protanopia

33.5139, 33.9014, 51.2316

Deuteranopia

34.3273, 33.6615, 36.5864



Tritanopia

45.0456, 33.4324, 26.2692

Trichromacy



Original Color

47.6814, 33.4341, 38.5907

Protanomaly

37.0003, 32.5054, 46.4435

Deuteranomaly

38.1418, 32.8615, 37.1335

Tritanomaly

45.9253, 33.4251, 30.4167

Monochromacy



Original Color

47.6814, 33.4341, 38.5907

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.4173, 32.6221, 37.6350

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6814, 33.4341, 38.5907 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, 118, 163)` looks like.

```
.text, #text, p{  
    color:rgb(236, 118, 163)  
}
```

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, 118, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 118, 163) }
```

Border

The CSS property to change the border of an element to XYZ 47.6814, 33.4341, 38.5907 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, 118, 163) }
```


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

```
.border{ border-color:rgb(236, 118, 163) }
```

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

Here you see how a box with a 4 pixel rgb(236, 118, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 118, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 118, 163);  
box-shadow:4px 4px 4px 4px rgb(236, 118,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6814, 33.4341, 38.5907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 118, 163) }
```

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

```
.background{ background-color: rgb(236,  
118, 163) }
```

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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