

Converting Colors

XYZ(48.1239, 34.1023, 38.5426)

Have a look what the booklet for
XYZ(48.1239, 34.1023, 38.5426)
contains.

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Color

**XYZ(48.2524, 34.0818,
38.6856)**

Conversions

Conversions Part 1

Format	Color
Hex	ED78A3
RGB	237, 120, 163
RGB Percent	93%, 47%, 64%
CMY	0.0706, 0.5294, 0.3608
CMYK	0.00, 0.49, 0.31, 0.07
HSL	338°, 76%, 70%
HSV	338°, 49%, 93%
XYZ	48.2524, 34.0818, 38.6856
YIQ	159.8850, 55.9290, 38.1770

Conversions

Conversions Part 2

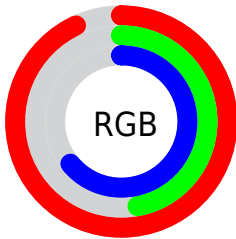
Format	Color
R _Y B	237, 120, 163
Decimal	15562915
CIE Lab	65.03, 49.61, -1.95
CIE LCh	65, 49.651, 357.748
Yxy	34.0818, 0.3987, 0.2816
Android (android.graphics.Color)	4293752995 (0xFFED78A3)
YUV	159.8850, 1.5357, 67.6299
Hunter-Lab	58.3796, 45.3709, 1.5769

Details

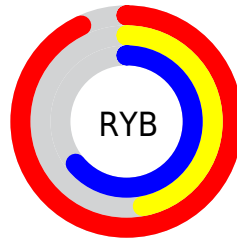
The XYZ color **48.2524, 34.0818, 38.6856** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.7692, 68.4574, 61.7385**, and the grayscale version is **33.3368, 35.0729, 38.1944**.

A 20% lighter version of the original color is **69.2249, 56.9819, 73.6797**, and **23.1776, 14.5091, 16.6179** is the 20% darker color. If you saturate the color by 10%, you get **44.4822, 28.5648, 31.1903**, and if you desaturate by 10%, it is **52.8890, 41.0764, 47.2559**.

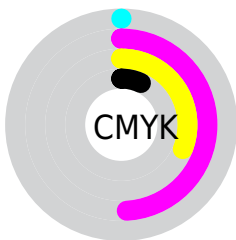
Distribution



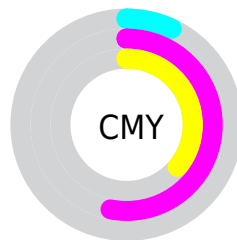
- Red (93%)
- Green (47%)
- Blue (64%)



- Red (93%)
- Yellow (47%)
- Blue (64%)



- Cyan (0%)
- Magenta (49%)
- Yellow (31%)
- Black (7%)





- Cyan (7%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2524, 34.0818, 38.6856 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 48.2524, 34.0818, 38.6856 by changing the saturation by 10% instead.


 48.2524, 34.0818,
38.6856


 48.2524, 34.0818,
38.6856


370.3577,
320.4966, 355.9379


 34.2389, 22.9564,
26.2093


 86.7875, 66.0609,
74.3728

 23.2409, 14.5614,
16.7531


 112.0398, 87.6833,
98.4208

 14.8932, 8.5121,
9.8985


 141.7691,
113.5737, 127.1631

 8.8303, 4.4244,
5.2270

176.3407,
144.1162, 161.0182

 4.6869, 1.9137,
2.3200

216.1200,
179.6954, 200.4047

 2.0976, 0.5566,
0.7424

261.4724,

 0.6879, 0.0000,

220.6956, 245.7411

0.0000

312.7632,
267.5012, 297.4460

■ 0.0000, 0.0000,
0.0000

■ 48.2524, 34.0818,
38.6856

■ 48.2524, 34.0818,
38.6856

■ 44.4822, 28.5648,
31.1903

■ 52.8890, 41.0764,
47.2559

■ 41.5169, 24.4121,
24.7213

■ 58.4421, 49.6407,
56.9428

■ 39.2913, 21.5021,
19.2281


■ 64.9610, 59.8655,
67.7880


■ 37.7273, 19.6888,
14.6540


■ 72.4907, 71.8328,
79.8301

■ 36.7050, 18.7427,
10.9262

■ 81.0732, 85.6195,
93.1061

 36.6493, 18.6943,
10.7140

 88.4058, 96.6128,
106.8701

 88.7351, 96.7446,
108.6045

Harmonies

Analogous

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



45.5387, 34.0818, 62.4811



48.2524, 34.0818, 38.6856



46.2232, 34.0818, 21.5677

Triad

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



48.2524, 34.0818, 38.6856



26.3777, 34.0818, 11.9520



25.5664, 34.0818, 81.6365

Complementary

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



48.2524, 34.0818, 38.6856



47.7692, 68.4574, 61.7385

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.



21.6408, 34.0818, 58.7474



48.2524, 34.0818, 38.6856



22.0582, 34.0818, 19.7464

Square

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



48.2524, 34.0818, 38.6856



32.9396, 34.0818, 9.9517



20.4571, 34.0818, 35.5764



31.8540, 34.0818, 92.3477

Rectangle

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



48.2524, 34.0818, 38.6856



42.5993, 34.0818, 14.8512



20.4571, 34.0818, 35.5764



23.9640, 34.0818, 74.7765

Sweetspot

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



48.2534, 34.0835, 38.6862



80.3849, 76.5155, 85.9903



43.7803, 30.7754, 83.7537



16.8126, 15.7541, 17.7728



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.



48.2534, 34.0835, 38.6862



52.5769, 33.8042, 36.9377



46.7933, 36.3160, 22.3149



15.2943, 15.1456, 16.8351



20.0670, 10.2295, 6.1541



1.6207, 0.8212, 0.7200

Inverse Universe

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



48.2534, 34.0835, 38.6862



52.5769, 33.8042, 36.9377



49.5143, 63.0711, 89.6852



15.2943, 15.1456, 16.8351



20.0670, 10.2295, 6.1541



1.6207, 0.8212, 0.7200

Previews

White Background



This preview shows how the XYZ color 48.2524, 34.0818, 38.6856 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 48.2524, 34.0818, 38.6856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

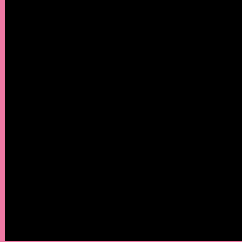
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2524, 34.0818, 38.6856

Background



This preview shows how black text looks on a background with the XYZ color 48.2524, 34.0818, 38.6856.



This preview shows how white text looks on a background with the XYZ color 48.2524, 34.0818,

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

48.2524, 34.0818, 38.6856

Protanopia

34.0568, 34.4314, 51.3053

Deuteranopia

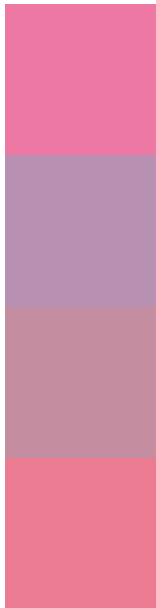
35.0183, 34.2498, 37.1130



Tritanopia

45.5684, 33.8809, 26.6922

Trichromacy



Original Color

48.2524, 34.0818, 38.6856

Protanomaly

37.7763, 33.3512, 46.5659

Deuteranomaly

38.8960, 33.4581, 37.6657

Tritanomaly

46.4547, 33.8724, 30.8777

Monochromacy



Original Color

48.2524, 34.0818, 38.6856

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

37.2975, 33.5154, 38.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2524, 34.0818, 38.6856 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, 120, 163)` looks like.

```
.text, #text, p{  
    color:rgb(237, 120, 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(237, 120, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 120, 163) }
```

Border

The CSS property to change the border of an element to XYZ 48.2524, 34.0818, 38.6856 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, 120, 163) }
```


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

```
.border{ border-color:rgb(237, 120, 163) }
```

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

Here you see how a box with a 4 pixel rgb(237, 120, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 120, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 120, 163);  
box-shadow:4px 4px 4px 4px rgb(237, 120,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2524, 34.0818, 38.6856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 120, 163) }
```

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

```
.background{ background-color: rgb(237,  
120, 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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