

Converting Colors

XYZ(46.9992, 34.1916, 32.8410)

Have a look what the booklet for
XYZ(46.9992, 34.1916, 32.8410)
contains.

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Color

**XYZ(46.8489, 34.0301,
32.9534)**

Conversions

Conversions Part 1

Format	Color
Hex	EB7B96
RGB	235, 123, 150
RGB Percent	92%, 48%, 59%
CMY	0.0784, 0.5176, 0.4118
CMYK	0.00, 0.48, 0.36, 0.08
HSL	346°, 74%, 70%
HSV	346°, 48%, 92%
XYZ	46.8489, 34.0301, 32.9534
YIQ	159.5660, 58.0850, 32.1410

Conversions

Conversions Part 2

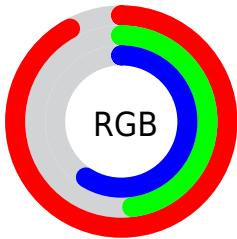
Format	Color
R_{YB}	235, 123, 150
Decimal	15432598
CIE _{Lab}	64.99, 45.88, 5.35
CIE _{LCh}	65, 46.195, 6.653
Yxy	34.0301, 0.4116, 0.2989
Android (android.graphics.Color)	4293622678 (0xFFEB7B96)
YUV	159.5660, -4.7160, 66.1556
Hunter-Lab	58.3353, 41.2659, 7.3420

Details

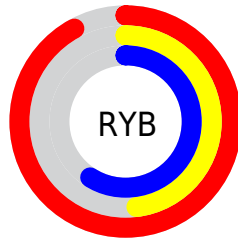
The XYZ color **46.8489, 34.0301, 32.9534** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **49.2636, 68.1824, 70.2425**, and the grayscale version is **33.2173, 34.9472, 38.0574**.

A 20% lighter version of the original color is **68.0595, 57.4604, 64.6306**, and **22.3468, 14.5113, 13.4275** is the 20% darker color. If you saturate the color by 10%, you get **42.9471, 28.3527, 25.0981**, and if you desaturate by 10%, it is **51.6708, 41.1976, 42.1946**.

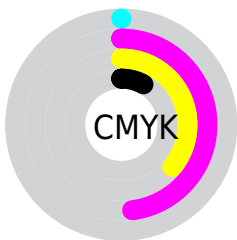
Distribution



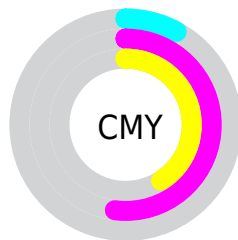
- Red (92%)
- Green (48%)
- Blue (59%)



- Red (92%)
- Yellow (48%)
- Blue (59%)



- Cyan (0%)
- Magenta (48%)
- Yellow (36%)
- Black (8%)





- Cyan (8%)
- Magenta (52%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8489, 34.0301, 32.9534 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 46.8489, 34.0301, 32.9534 by changing the saturation by 10% instead.


 46.8489, 34.0301,
32.9534


 46.8489, 34.0301,
32.9534


364.8701,
320.2662, 330.0653


 33.1237, 22.9167,
21.8199

 84.7081, 65.9805,
65.4179

 22.3809, 14.5320,
13.5276


 109.5729, 87.5863,
87.5861

 14.2552, 8.4916,
7.6579

 138.8815,
113.4583, 114.2695

 8.3813, 4.4111,
3.7922

172.9993,
143.9810, 145.8868

 4.3937, 1.9061,
1.5120

212.2917,
179.5388, 182.8565

 1.9272, 0.5520,
0.2269

257.1241,

 0.5926, 0.0000,

220.5160, 225.5971

0.0000

307.8618,
267.2970, 274.5272

■ 0.0000, 0.0000,
0.0000

■ 46.8489, 34.0301,
32.9534

■ 46.8489, 34.0301,
32.9534

■ 42.9471, 28.3527,
25.0981

■ 51.6708, 41.1976,
42.1946

■ 39.9019, 24.0544,
18.5579

■ 57.4651, 49.9454,
52.8836

■ 37.6458, 21.0173,
13.2584

■ 64.2833, 60.3626,
65.0809

■ 36.0993, 19.1008,
9.1162

■ 72.1725, 72.5302,
78.8428

■ 35.1582, 18.1167,
6.0336

■ 81.1770, 86.5238,
94.2227

■ 34.9905, 17.9540,
5.4456

■ 88.0709, 96.4022,
108.5734

Harmonies

Analogous

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



45.6245, 34.0301, 53.6211



46.8489, 34.0301, 32.9534



43.7787, 34.0301, 19.1496

Triad

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



46.8489, 34.0301, 32.9534



25.2686, 34.0301, 14.6875



27.5180, 34.0301, 82.1114

Complementary

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



46.8489, 34.0301, 32.9534



49.2636, 68.1824, 70.2425

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.



23.0978, 34.0301, 63.6281



46.8489, 34.0301, 32.9534



21.9295, 34.0301, 24.3064

Square

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



46.8489, 34.0301, 32.9534



30.8795, 34.0301, 11.2138



21.1932, 34.0301, 41.4792



33.8553, 34.0301, 86.8986

Rectangle

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



46.8489, 34.0301, 32.9534



39.9292, 34.0301, 14.0404



21.1932, 34.0301, 41.4792



25.7869, 34.0301, 77.0458

Sweetspot

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



46.8498, 34.0318, 32.9540



80.6402, 77.6759, 84.0723



47.8118, 33.4314, 82.5301



16.8350, 15.9713, 17.2487



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.



46.8498, 34.0318, 32.9540



51.8647, 34.3711, 30.5612



48.9039, 41.2273, 24.1213



15.2143, 15.1136, 16.4138



19.5156, 10.0089, 3.2508



1.5693, 0.8007, 0.4495

Inverse Universe

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



46.8498, 34.0318, 32.9540



51.8647, 34.3711, 30.5612



45.4780, 54.8361, 86.7847



15.2143, 15.1136, 16.4138



19.5156, 10.0089, 3.2508



1.5693, 0.8007, 0.4495

Previews

White Background



This preview shows how the XYZ color 46.8489, 34.0301, 32.9534 looks on a white background.

Color Contrast Check

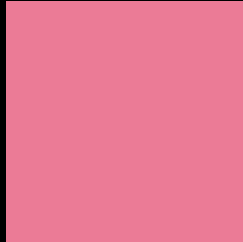
Large Text (above 18pt) WCAG AA × Fail

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 46.8489, 34.0301, 32.9534 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 46.8489, 34.0301, 32.9534

Background



This preview shows how black text looks on a background with the XYZ color 46.8489, 34.0301, 32.9534.



This preview shows how white text looks on a background with the XYZ color 46.8489, 34.0301,

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

46.8489, 34.0301, 32.9534

Protanopia

33.4132, 34.2853, 42.8869

Deuteranopia

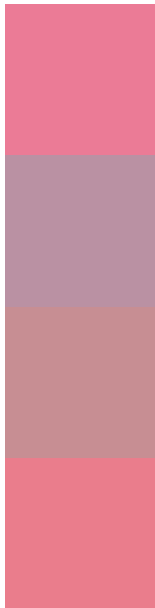
34.8622, 34.2918, 31.5696



Tritanopia

45.7657, 34.1634, 27.1037

Trichromacy



Original Color

46.8489, 34.0301, 32.9534

Protanomaly

36.9860, 33.3342, 39.1351

Deuteranomaly

38.4926, 33.5947, 32.0594

Tritanomaly

45.9989, 34.0531, 28.9594

Monochromacy



Original Color

46.8489, 34.0301, 32.9534

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.9280, 33.8325, 36.0365

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8489, 34.0301, 32.9534 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(235, 123, 150)` looks like.

```
.text, #text, p{  
    color:rgb(235, 123, 150)  
}
```

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(235, 123, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 123, 150) }
```

Border

The CSS property to change the border of an element to XYZ 46.8489, 34.0301, 32.9534 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(235, 123, 150) }
```


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

```
.border{ border-color:rgb(235, 123, 150) }
```

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

Here you see how a box with a 4 pixel rgb(235, 123, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 123, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 123, 150);  
box-shadow:4px 4px 4px 4px rgb(235, 123,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8489, 34.0301, 32.9534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 123, 150) }
```

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

```
.background{ background-color: rgb(235,  
123, 150) }
```

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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