

Converting Colors

XYZ(48.4197, 34.5812, 45.3640)

Have a look what the booklet for
XYZ(48.4197, 34.5812, 45.3640)
contains.

XYZ(48.5237, 34.6241, 45.1999)	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(48.5237, 34.6241,
45.1999)**

Conversions

Conversions Part 1

Format	Color
Hex	E97BB0
RGB	233, 123, 176
RGB Percent	91%, 48%, 69%
CMY	0.0863, 0.5176, 0.3098
CMYK	0.00, 0.47, 0.24, 0.09
HSL	331°, 71%, 70%
HSV	331°, 47%, 91%
XYZ	48.5237, 34.6241, 45.1999
YIQ	161.9320, 48.5470, 39.8030

Conversions

Conversions Part 2

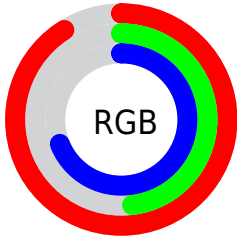
Format	Color
R _Y B	233, 123, 176
Decimal	15301552
CIE Lab	65.45, 48.52, -8.76
CIE LCh	65, 49.300, 349.770
Yxy	34.6241, 0.3781, 0.2698
Android (android.graphics.Color)	4293491632 (0xFFE97BB0)
YUV	161.9320, 6.9355, 62.3266
Hunter-Lab	58.8422, 44.2244, -4.3543

Details

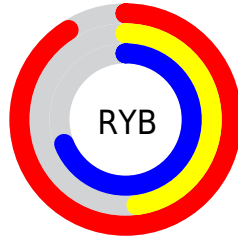
The XYZ color **48.5237, 34.6241, 45.1999** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **45.5471, 65.7851, 53.4804**, and the grayscale version is **34.2645, 36.0489, 39.2572**.

A 20% lighter version of the original color is **71.7259, 58.9270, 83.9376**, and **23.5074, 14.9495, 20.7153** is the 20% darker color. If you saturate the color by 10%, you get **44.8277, 29.0595, 38.3335**, and if you desaturate by 10%, it is **53.0158, 41.6101, 52.8566**.

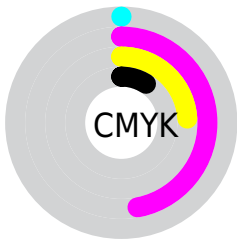
Distribution



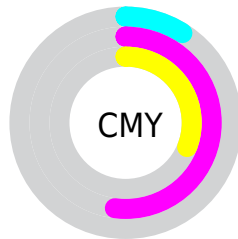
- Red (91%)
- Green (48%)
- Blue (69%)



- Red (91%)
- Yellow (48%)
- Blue (69%)



- Cyan (0%)
- Magenta (47%)
- Yellow (24%)
- Black (9%)




- Cyan (9%)
- Magenta (52%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5237, 34.6241, 45.1999 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 48.5237, 34.6241, 45.1999 by changing the saturation by 10% instead.


 48.5237, 34.6241,
45.1999


 48.5237, 34.6241,
45.1999

371.4123,
322.9060, 383.7663


 34.4548, 23.3735,
31.2708


 87.1886, 66.9030,
84.3419

 23.4077, 14.8695,
20.5450


 112.5153, 88.7001,
110.3920

 15.0172, 8.7279,
12.6038


 142.3253,
114.7814, 141.3194

 8.9179, 4.5641,
7.0288

176.9840,
145.5315, 177.5427

 4.7443, 1.9939,
3.4014

216.8567,
181.3345, 219.4805

 2.1312, 0.6039,
1.3031

262.3087,

 0.7061, 0.0000,

222.5750, 267.5514

0.0643

313.7055,
269.6374, 322.1738

■ 0.0000, 0.0000,
0.0000

■ 48.5237, 34.6241,
45.1999

■ 48.5237, 34.6241,
45.1999

■ 44.8277, 29.0595,
38.3335

■ 53.0158, 41.6101,
52.8566

■ 41.8723, 24.8109,
32.2244

■ 58.3482, 50.1029,
61.3306

■ 39.5996, 21.7665,
26.8394


■ 64.5656, 60.1870,
70.6495


■ 37.9406, 19.7932,
22.1408


■ 71.7082, 71.9393,
80.8391

■ 36.8059, 18.7173,
18.0831

■ 79.8138, 85.4315,
91.9238

 36.5435, 18.4993,
17.0494

 86.3770, 95.6488,
103.0798

 87.4144, 96.0637,
108.5427

Harmonies

Analogous

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



44.6680, 34.6241, 69.5951



48.5237, 34.6241, 45.1999



47.7548, 34.6241, 25.8022

Triad

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



48.5237, 34.6241, 45.1999



28.4394, 34.6241, 11.3209



24.7431, 34.6241, 76.8598

Complementary

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



48.5237, 34.6241, 45.1999



45.5471, 65.7851, 53.4804

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.



21.5113, 34.6241, 52.7863



48.5237, 34.6241, 45.1999



23.4195, 34.6241, 17.4318

Square

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



48.5237, 34.6241, 45.1999



35.4332, 34.6241, 10.5718



21.0650, 34.6241, 31.0789



30.5079, 34.6241, 91.8227

Rectangle

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



48.5237, 34.6241, 45.1999



44.7559, 34.6241, 17.5785



21.0650, 34.6241, 31.0789



23.3624, 34.6241, 69.2277

Sweetspot

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



48.5247, 34.6258, 45.2006



81.8630, 78.1650, 90.5110



40.5761, 29.7344, 80.6919



17.1311, 16.0897, 18.8075



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.



48.5247, 34.6258, 45.2006



54.9838, 35.6187, 46.9857



44.4933, 33.3805, 22.8389



15.3678, 15.1750, 17.2220



20.7974, 10.5217, 10.0006



1.6815, 0.8456, 1.0402

Inverse Universe

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



48.5247, 34.6258, 45.2006



54.9838, 35.6187, 46.9857



51.5001, 67.3401, 87.3748



15.3678, 15.1750, 17.2220



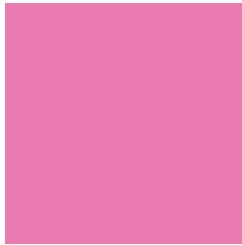
20.7974, 10.5217, 10.0006



1.6815, 0.8456, 1.0402

Previews

White Background



This preview shows how the XYZ color 48.5237, 34.6241, 45.1999 looks on a white background.

Color Contrast Check

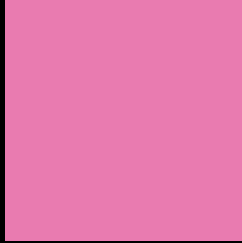
Large Text (above 18pt) WCAG AA × Fail

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 48.5237, 34.6241, 45.1999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

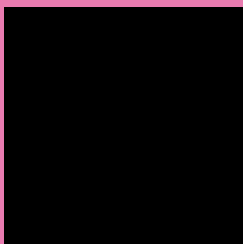
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5237, 34.6241, 45.1999

Background



This preview shows how black text looks on a background with the XYZ color 48.5237, 34.6241, 45.1999.



This preview shows how white text looks on a background with the XYZ color 48.5237, 34.6241,

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

48.5237, 34.6241, 45.1999

Protanopia

35.1133, 35.0613, 58.9497

Deuteranopia

35.6496, 34.9290, 43.3911



Tritanopia

45.0294, 34.5167, 29.1000

Trichromacy



Original Color

48.5237, 34.6241, 45.1999

Protanomaly

38.3518, 33.7157, 53.7766

Deuteranomaly

39.3576, 33.9995, 44.0234

Tritanomaly

45.9723, 34.3016, 34.3349

Monochromacy



Original Color

48.5237, 34.6241, 45.1999

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

38.3040, 34.6612, 41.2307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5237, 34.6241, 45.1999 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(233, 123, 176)` looks like.

```
.text, #text, p{  
    color:rgb(233, 123, 176)  
}
```

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(233, 123, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 123, 176) }
```

Border

The CSS property to change the border of an element to XYZ 48.5237, 34.6241, 45.1999 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(233, 123, 176) }
```


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

```
.border{ border-color:rgb(233, 123, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 123, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 123, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 123, 176);  
box-shadow:4px 4px 4px 4px rgb(233, 123,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5237, 34.6241, 45.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 123, 176) }
```

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

```
.background{ background-color: rgb(233,  
123, 176) }
```

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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