

Converting Colors

XYZ(48.7067, 34.8382, 55.1710)

Have a look what the booklet for
XYZ(48.7067, 34.8382, 55.1710)
contains.

XYZ(48.7498, 34.8932, 55.2046)	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(48.7498, 34.8932,
55.2046)**

Conversions

Conversions Part 1

Format	Color
Hex	E37DC2
RGB	227, 125, 194
RGB Percent	89%, 49%, 76%
CMY	0.1098, 0.5098, 0.2392
CMYK	0.00, 0.45, 0.15, 0.11
HSL	319°, 65%, 69%
HSV	319°, 45%, 89%
XYZ	48.7498, 34.8932, 55.2046
YIQ	163.3640, 38.6430, 43.0830

Conversions

Conversions Part 2

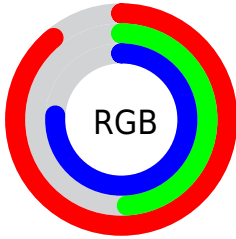
Format	Color
RYB	227, 125, 194
Decimal	14908866
CIELab	65.67, 48.23, -18.68
CIElCh	66, 51.718, 338.832
Yxy	34.8932, 0.3511, 0.2513
Android (android.graphics.Color)	4293098946 (0xFFE37DC2)
YUV	163.3640, 15.1035, 55.8088
Hunter-Lab	59.0705, 43.9395, -14.0604

Details

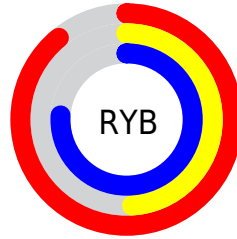
The XYZ color **48.7498, 34.8932, 55.2046** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **42.0997, 61.7679, 42.0540**, and the grayscale version is **34.9039, 36.7216, 39.9898**.

A 20% lighter version of the original color is **74.9738, 60.8676, 99.0638**, and **23.6286, 15.0742, 26.4752** is the 20% darker color. If you saturate the color by 10%, you get **45.3932, 29.4672, 50.1162**, and if you desaturate by 10%, it is **52.8060, 41.6520, 60.7280**.

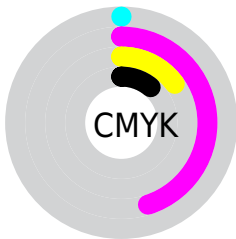
Distribution



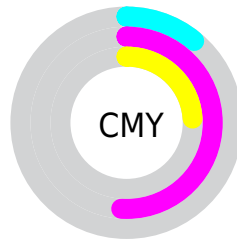
- Red (89%)
- Green (49%)
- Blue (76%)



- Red (89%)
- Yellow (49%)
- Blue (76%)



- Cyan (0%)
- Magenta (45%)
- Yellow (15%)
- Black (11%)





- Cyan (11%)
- Magenta (51%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7498, 34.8932, 55.2046 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 48.7498, 34.8932, 55.2046 by changing the saturation by 10% instead.


 48.7498, 34.8932,
55.2046


 48.7498, 34.8932,
55.2046

372.2898,
324.0967, 423.9908


 34.6348, 23.5806,
39.1658


 87.5227, 67.3203,
99.3148

 23.5469, 15.0228,
26.5799


 112.9113, 89.2036,
128.2234

 15.1207, 8.8354,
17.0284


 142.7884,
115.3792, 162.2589

 8.9910, 4.6340,
10.0925

177.5194,
146.2316, 201.8400

 4.7924, 2.0341,
5.3540

217.4697,
182.1452, 247.3852

 2.1595, 0.6272,
2.3941

263.0047,

 0.7212, 0.0000,

223.5043, 299.3131

0.7832

314.4896,
270.6933, 358.0421

■ 0.0000, 0.0000,
0.0000

■ 48.7498, 34.8932,
55.2046

■ 48.7498, 34.8932,
55.2046

■ 45.3932, 29.4672,
50.1162

■ 52.8060, 41.6520,
60.7280

■ 42.6869, 25.2781,
45.4426

■ 57.6000, 49.8211,
66.7010

■ 40.5805, 22.2253,
41.1643


■ 63.1714, 59.4776,
73.1399


■ 39.0140, 20.1898,
37.2582


■ 69.5555, 70.6917,
80.0591


■ 37.9140, 19.0260,
33.6970


■ 76.7858, 83.5293,
87.4724

 37.4746, 18.6493,
32.0027

 82.8814, 94.0281,
94.7222

 83.9833, 94.4688,
100.5246

 85.1297, 94.9274,
106.5617

 85.4888, 95.0710,
108.4525

Harmonies

Analogous

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



43.2015, 34.8932, 80.8272



48.7498, 34.8932, 55.2046



49.8085, 34.8932, 31.9207

Triad

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



48.7498, 34.8932, 55.2046



30.9708, 34.8932, 9.8222



23.0311, 34.8932, 70.7542

Complementary

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



48.7498, 34.8932, 55.2046



42.0997, 61.7679, 42.0540

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.



20.7157, 34.8932, 44.7898



48.7498, 34.8932, 55.2046



24.8173, 34.8932, 13.8215

Square

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



48.7498, 34.8932, 55.2046



38.7287, 34.8932, 10.7978



21.3155, 34.8932, 24.7914



28.1613, 34.8932, 91.9326

Rectangle

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



48.7498, 34.8932, 55.2046



47.6901, 34.8932, 21.1686



21.3155, 34.8932, 24.7914



21.9364, 34.8932, 61.9693

Sweetspot

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



48.7509, 34.8948, 55.2053



83.6923, 79.9712, 96.8315



35.1637, 27.4136, 76.1117



17.5402, 16.4648, 20.3105



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.



48.7509, 34.8948, 55.2053



59.3250, 38.7281, 65.6141



44.0247, 33.0044, 30.3176



14.7863, 14.5317, 17.0753



21.9107, 10.8985, 18.9567



1.6612, 0.8222, 1.6225

Inverse Universe

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



48.7509, 34.8948, 55.2053



59.3250, 38.7281, 65.6141



47.3500, 63.8680, 69.7015



14.7863, 14.5317, 17.0753



21.9107, 10.8985, 18.9567



1.6612, 0.8222, 1.6225

Previews

White Background



This preview shows how the XYZ color 48.7498, 34.8932, 55.2046 looks on a white background.

Color Contrast Check

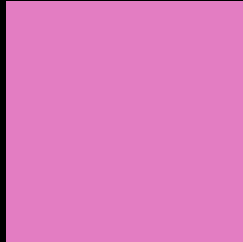
Large Text (above 18pt) WCAG AA × Fail

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 48.7498, 34.8932, 55.2046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

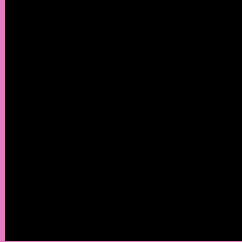
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.7498, 34.8932, 55.2046

Background



This preview shows how black text looks on a background with the XYZ color 48.7498, 34.8932, 55.2046.



This preview shows how white text looks on a background with the XYZ color 48.7498, 34.8932,

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

48.7498, 34.8932, 55.2046

Protanopia

36.2094, 35.3553, 71.2455

Deuteranopia

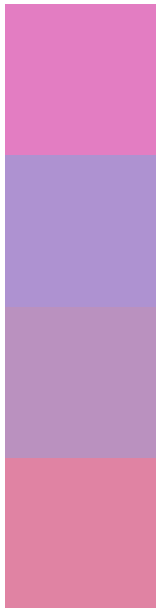
35.9741, 35.1324, 53.0293



Tritanopia

43.8990, 34.9019, 31.2111

Trichromacy



Original Color

48.7498, 34.8932, 55.2046

Protanomaly

39.2431, 34.1599, 64.8468

Deuteranomaly

39.7791, 34.4515, 53.8434

Tritanomaly

45.4676, 34.7242, 38.9564

Monochromacy



Original Color

48.7498, 34.8932, 55.2046

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.6371, 34.9900, 44.7617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7498, 34.8932, 55.2046 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(227, 125, 194)` looks like.

```
.text, #text, p{  
    color:rgb(227, 125, 194)  
}
```

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(227, 125, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 125, 194) }
```

Border

The CSS property to change the border of an element to XYZ 48.7498, 34.8932, 55.2046 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(227, 125, 194) }
```


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

```
.border{ border-color:rgb(227, 125, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 125, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 125, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 125, 194);  
box-shadow:4px 4px 4px 4px rgb(227, 125,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7498, 34.8932, 55.2046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 125, 194) }
```

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

```
.background{ background-color: rgb(227,  
125, 194) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor