

Converting Colors

XYZ(49.2176, 35.7705, 52.4545)

Have a look what the booklet for
XYZ(49.2176, 35.7705, 52.4545)
contains.

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Color

**XYZ(49.2176, 35.7705,
52.4545)**

Conversions

Conversions Part 1

Format	Color
Hex	E580BD
RGB	229, 128, 189
RGB Percent	90%, 50%, 74%
CMY	0.1020, 0.4980, 0.2588
CMYK	0.00, 0.44, 0.17, 0.10
HSL	324°, 66%, 70%
HSV	324°, 44%, 90%
XYZ	49.2176, 35.7705, 52.4545
YIQ	165.1530, 40.6150, 40.3830

Conversions

Conversions Part 2

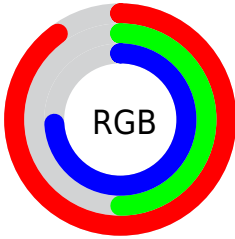
Format	Color
R _Y B	229, 128, 189
Decimal	15040701
CIE Lab	66.34, 46.58, -14.81
CIE LCh	66, 48.877, 342.359
Yxy	35.7705, 0.3581, 0.2603
Android (android.graphics.Color)	4293230781 (0xFFE580BD)
YUV	165.1530, 11.7566, 55.9938
Hunter-Lab	59.8084, 42.2265, -10.1339

Details

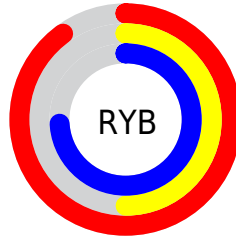
The XYZ color **49.2176, 35.7705, 52.4545** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.9909, 63.4560, 46.9783**, and the grayscale version is **35.7703, 37.6332, 40.9825**.

A 20% lighter version of the original color is **74.6549, 61.7195, 94.3645**, and **23.7546, 15.4677, 25.0261** is the 20% darker color. If you saturate the color by 10%, you get **45.6069, 30.0753, 46.5446**, and if you desaturate by 10%, it is **53.5660, 42.8416, 58.9148**.

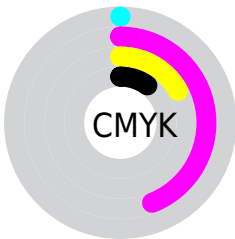
Distribution



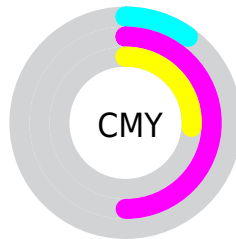
- Red (90%)
- Green (50%)
- Blue (74%)



- Red (90%)
- Yellow (50%)
- Blue (74%)



- Cyan (0%)
- Magenta (44%)
- Yellow (17%)
- Black (10%)





- Cyan (10%)
- Magenta (50%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2176, 35.7705, 52.4545 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 49.2176, 35.7705, 52.4545 by changing the saturation by 10% instead.


 49.2176, 35.7705,
52.4545

 49.2176, 35.7705,
52.4545


374.1011,
327.9563, 413.1955


 35.0074, 24.2570,
36.9827


 88.2133, 68.6777,
95.2346

 23.8351, 15.5244,
24.8984


 113.7295, 90.8402,
123.3800

 15.3354, 9.1882,
15.7831


 143.7451,
117.3211, 156.5870

 9.1430, 4.8642,
9.2181

178.6254,
148.5049, 195.2742

 4.8924, 2.1678,
4.7850

218.7358,
184.7759, 239.8601

 2.2184, 0.7023,
2.0651

264.4417,

 0.7524, 0.0000,

226.5185, 290.7633

0.5949

316.1083,
274.1172, 348.4022

■ 0.0000, 0.0000,
0.0000

■ 49.2176, 35.7705,
52.4545

■ 49.2176, 35.7705,
52.4545

■ 45.6069, 30.0753,
46.5446

■ 53.5660, 42.8416,
58.9148

■ 42.6836, 25.6588,
41.1618

■ 58.6916, 51.3672,
65.9430

■ 40.3961, 22.4188,
36.2835


■ 64.6348, 61.4261,
73.5581


■ 38.6834, 20.2353,
31.8836


■ 71.4321, 73.0896,
81.7774


■ 37.4713, 18.9621,
27.9314

■ 79.1180, 86.4249,
90.6173

 36.9227, 18.5019,
25.7851

 84.3144, 94.6746,
98.9567

 85.7217, 95.2375,
106.3672

 86.1233, 95.3981,
108.4822

Harmonies

Analogous

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



44.3678, 35.7705, 76.8756



49.2176, 35.7705, 52.4545



49.6475, 35.7705, 30.9568

Triad

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



49.2176, 35.7705, 52.4545



31.0801, 35.7705, 11.3870



24.6401, 35.7705, 72.8247

Complementary

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



49.2176, 35.7705, 52.4545



43.9909, 63.4560, 46.9783

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.



22.0413, 35.7705, 48.2082



49.2176, 35.7705, 52.4545



25.3859, 35.7705, 16.1440

Square

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



49.2176, 35.7705, 52.4545



38.4354, 35.7705, 11.8149



22.2932, 35.7705, 27.9852



29.9174, 35.7705, 91.2351

Rectangle

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



49.2176, 35.7705, 52.4545



47.2971, 35.7705, 21.1414



22.2932, 35.7705, 27.9852



23.4608, 35.7705, 64.6891

Sweetspot

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



49.2187, 35.7722, 52.4552



83.3290, 79.8259, 94.9186



37.7403, 29.2822, 77.7922



17.4503, 16.4288, 19.8368



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.



49.2187, 35.7722, 52.4552



58.5368, 38.8962, 59.9728



44.7513, 33.9853, 28.9305



14.7407, 14.5135, 16.8350



21.1714, 10.6028, 15.0633



1.6099, 0.8017, 1.3525

Inverse Universe

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



49.2187, 35.7722, 52.4552



58.5368, 38.8962, 59.9728



49.4753, 65.6498, 75.8585



14.7407, 14.5135, 16.8350



21.1714, 10.6028, 15.0633



1.6099, 0.8017, 1.3525

Previews

White Background



This preview shows how the XYZ color 49.2176, 35.7705, 52.4545 looks on a white background.

Color Contrast Check

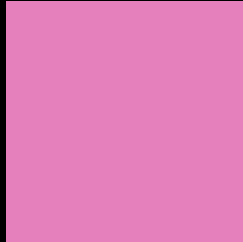
Large Text (above 18pt) WCAG AA × Fail

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 49.2176, 35.7705, 52.4545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

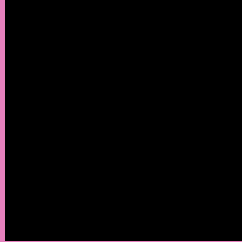
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.2176, 35.7705, 52.4545

Background



This preview shows how black text looks on a background with the XYZ color 49.2176, 35.7705, 52.4545.



This preview shows how white text looks on a background with the XYZ color 49.2176, 35.7705,

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

49.2176, 35.7705, 52.4545

Protanopia

36.5414, 36.1407, 66.6779

Deuteranopia

36.8149, 36.1299, 50.3808



Tritanopia

44.8111, 35.5622, 32.1062

Trichromacy



Original Color

49.2176, 35.7705, 52.4545



Protanomaly

39.5009, 34.8387, 61.1425



Deuteranomaly

40.5318, 35.3598, 51.1432



Tritanomaly

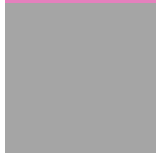
46.2731, 35.5524, 38.6059

Monochromacy



Original Color

49.2176, 35.7705, 52.4545



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

39.6073, 36.2038, 44.9449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2176, 35.7705, 52.4545 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(229, 128, 189)` looks like.

```
.text, #text, p{  
    color:rgb(229, 128, 189)  
}
```

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(229, 128, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 128, 189) }
```

Border

The CSS property to change the border of an element to XYZ 49.2176, 35.7705, 52.4545 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(229, 128, 189) }
```


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

```
.border{ border-color:rgb(229, 128, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 128, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 128, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 128, 189); box-shadow:4px 4px 4px 4px rgb(229, 128, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2176, 35.7705, 52.4545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 128, 189) }
```

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

```
.background{ background-color: rgb(229,  
128, 189) }
```

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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