

Converting Colors

XYZ(50.1533, 35.3319, 44.7635)

Have a look what the booklet for
XYZ(50.1533, 35.3319, 44.7635)
contains.

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Color

**XYZ(49.9573, 35.1914,
44.7170)**

Conversions

Conversions Part 1

Format	Color
Hex	EE7AAF
RGB	238, 122, 175
RGB Percent	93%, 48%, 69%
CMY	0.0667, 0.5215, 0.3137
CMYK	0.00, 0.49, 0.26, 0.07
HSL	333°, 77%, 71%
HSV	333°, 49%, 93%
XYZ	49.9573, 35.1914, 44.7170
YIQ	162.7260, 52.1230, 41.0750

Conversions

Conversions Part 2

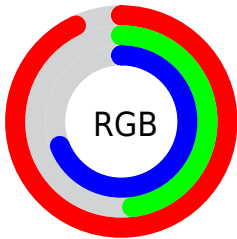
Format	Color
R _Y B	238, 122, 175
Decimal	15628975
CIE Lab	65.90, 50.51, -7.46
CIE LCh	66, 51.054, 351.598
Yxy	35.1914, 0.3847, 0.2710
Android (android.graphics.Color)	4293819055 (0xFFEE7AAF)
YUV	162.7260, 6.0511, 66.0153
Hunter-Lab	59.3223, 46.5066, -3.1670

Details

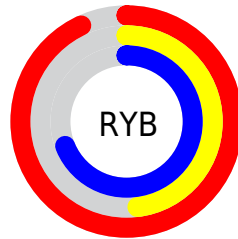
The XYZ color **49.9573, 35.1914, 44.7170** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.3593, 68.7904, 56.6843**, and the grayscale version is **34.6399, 36.4439, 39.6874**.

A 20% lighter version of the original color is **71.3859, 58.4738, 83.1254**, and **24.2327, 15.1480, 20.3855** is the 20% darker color. If you saturate the color by 10%, you get **46.1753, 29.5626, 37.4895**, and if you desaturate by 10%, it is **54.5784, 42.3032, 52.8246**.

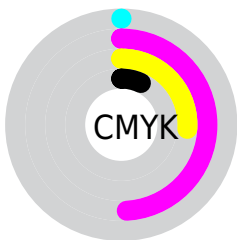
Distribution



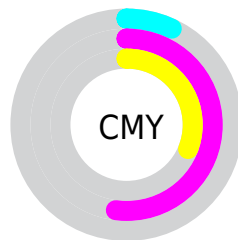
- Red (93%)
- Green (48%)
- Blue (69%)



- Red (93%)
- Yellow (48%)
- Blue (69%)



- Cyan (0%)
- Magenta (49%)
- Yellow (26%)
- Black (7%)





- Cyan (7%)
- Magenta (52%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9573, 35.1914, 44.7170 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 49.9573, 35.1914, 44.7170 by changing the saturation by 10% instead.


 49.9573, 35.1914,
44.7170

 49.9573, 35.1914,
44.7170


376.9537,
325.4124, 381.7528


 35.5971, 23.8104,
30.8933


 89.3038, 67.7822,
83.6095

 24.2919, 15.1930,
20.2598


 115.0209, 89.7607,
109.5154

 15.6762, 8.9549,
12.3981


 145.2542,
116.0405, 140.2857

 9.3847, 4.7118,
6.8896

180.3693,
147.0059, 176.3390

 5.0521, 2.0792,
3.3157

220.7315,
183.0414, 218.0938

 2.3129, 0.6529,
1.2580

266.7060,

 0.8013, 0.0000,

224.5314, 265.9687

0.0270

318.6583,
271.8603, 320.3822

■ 0.0000, 0.0000,
0.0000

■ 49.9573, 35.1914,
44.7170

■ 49.9573, 35.1914,
44.7170

■ 46.1753, 29.5626,
37.4895

■ 54.5784, 42.3032,
52.8246

■ 43.1726, 25.3039,
31.1043

■ 60.0866, 50.9897,
61.8433

■ 40.8864, 22.2945,
25.5234

■ 66.5296, 61.3411,
71.8049

■ 39.2411, 20.3897,
20.7031

■ 73.9509, 73.4396,
82.7387

■ 38.1272, 19.3763,
16.5876

■ 82.3911, 87.3615,
94.6728

■ 38.0061, 19.2756,
16.1107

■ 88.6796, 96.7610,
106.5642

■ 89.0700, 96.9172,
108.6201

Harmonies

Analogous

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



46.1592, 35.1914, 70.3681



49.9573, 35.1914, 44.7170



48.8379, 35.1914, 24.9642

Triad

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



49.9573, 35.1914, 44.7170



28.3857, 35.1914, 11.2084



25.2191, 35.1914, 80.9902

Complementary

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



49.9573, 35.1914, 44.7170



47.3593, 68.7904, 56.6843

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.



21.6879, 35.1914, 55.7430



49.9573, 35.1914, 44.7170



23.3156, 35.1914, 17.8640

Square

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



49.9573, 35.1914, 44.7170



35.6140, 35.1914, 10.1540



21.0477, 35.1914, 32.5596



31.3723, 35.1914, 95.8949

Rectangle

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



49.9573, 35.1914, 44.7170



45.5173, 35.1914, 16.8174



21.0477, 35.1914, 32.5596



23.7270, 35.1914, 73.0649

Sweetspot

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



49.9583, 35.1931, 44.7177



80.8721, 76.7104, 88.5558



42.1291, 30.2681, 84.5110



16.9295, 15.8008, 18.3879



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.



49.9583, 35.1931, 44.7177



54.2137, 34.8785, 44.2631



46.2179, 34.4718, 22.6324



16.0731, 15.8790, 17.9413



21.2671, 10.7792, 9.3228



1.8188, 0.9166, 1.0368

Inverse Universe

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



49.9583, 35.1931, 44.7177



54.2137, 34.8785, 44.2631



52.9206, 69.2330, 91.4633



16.0731, 15.8790, 17.9413



21.2671, 10.7792, 9.3228



1.8188, 0.9166, 1.0368

Previews

White Background



This preview shows how the XYZ color 49.9573, 35.1914, 44.7170 looks on a white background.

Color Contrast Check

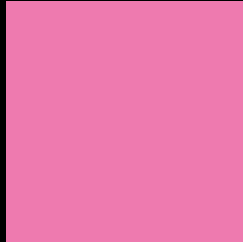
Large Text (above 18pt) WCAG AA × Fail

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 49.9573, 35.1914, 44.7170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

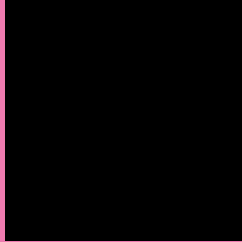
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9573, 35.1914, 44.7170

Background



This preview shows how black text looks on a background with the XYZ color 49.9573, 35.1914, 44.7170.



This preview shows how white text looks on a background with the XYZ color 49.9573, 35.1914,

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

49.9573, 35.1914, 44.7170

Protanopia

35.4694, 35.4991, 59.0154

Deuteranopia

36.0632, 35.4122, 42.4706



Tritanopia

46.7714, 35.2268, 28.7604

Trichromacy



Original Color

49.9573, 35.1914, 44.7170



Protanomaly

39.1016, 34.3428, 53.2831



Deuteranomaly

40.0889, 34.6226, 43.0980



Tritanomaly

47.7204, 35.0216, 33.9505

Monochromacy



Original Color

49.9573, 35.1914, 44.7170



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

38.8002, 34.9170, 41.2539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9573, 35.1914, 44.7170 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(238, 122, 175)` looks like.

```
.text, #text, p{  
    color:rgb(238, 122, 175)  
}
```

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(238, 122, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 122, 175) }
```

Border

The CSS property to change the border of an element to XYZ 49.9573, 35.1914, 44.7170 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(238, 122, 175) }
```


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

```
.border{ border-color:rgb(238, 122, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 122, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 122, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 122, 175);  
box-shadow:4px 4px 4px 4px rgb(238, 122,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9573, 35.1914, 44.7170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 122, 175) }
```

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

```
.background{ background-color: rgb(238,  
122, 175) }
```

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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