

# Converting Colors

XYZ(49.5447, 34.4873, 49.8344)

Have a look what the booklet for  
XYZ(49.5447, 34.4873, 49.8344)  
contains.

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# Color

**XYZ(49.7344, 34.5979,  
49.9557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB78B9
RGB	235, 120, 185
RGB Percent	92%, 47%, 73%
CMY	0.0784, 0.5294, 0.2745
CMYK	0.00, 0.49, 0.21, 0.08
HSL	326°, 74%, 70%
HSV	326°, 49%, 92%
XYZ	49.7344, 34.5979, 49.9557
YIQ	161.7950, 47.6750, 44.5950

# Conversions

## Conversions Part 2

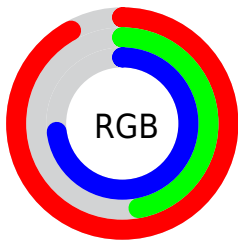
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	235, 120, 185
Decimal	15431865
CIE <sub>Lab</sub>	65.43, 51.90, -13.85
CIE <sub>LCh</sub>	65, 53.717, 345.058
Yxy	34.5979, 0.3704, 0.2576
Android (android.graphics.Color)	4293621945 (0xFFEB78B9)
YUV	161.7950, 11.4401, 64.2008
Hunter-Lab	58.8200, 47.9932, -9.1809

# Details

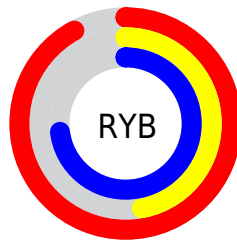
The XYZ color **49.7344, 34.5979, 49.9557** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **44.7114, 66.3131, 48.4765**, and the grayscale version is **34.1805, 35.9605, 39.1610**.

A 20% lighter version of the original color is **72.4472, 58.2708, 90.6481**, and **24.2445, 14.9095, 23.4298** is the 20% darker color. If you saturate the color by 10%, you get **46.2069, 29.2073, 43.6479**, and if you desaturate by 10%, it is **54.0349, 41.4096, 56.9044**.

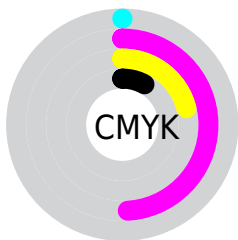
# Distribution



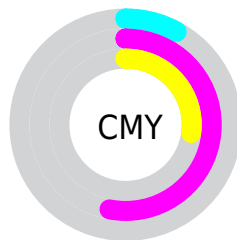
- Red (92%)
- Green (47%)
- Blue (73%)



- Red (92%)
- Yellow (47%)
- Blue (73%)



- Cyan (0%)
- Magenta (49%)
- Yellow (21%)
- Black (8%)




- Cyan (8%)
- Magenta (53%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7344, 34.5979, 49.9557 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 49.7344, 34.5979, 49.9557 by changing the saturation by 10% instead.





 49.7344, 34.5979,  
49.9557


 49.7344, 34.5979,  
49.9557

376.0956,  
322.7899, 403.2228

 35.4193, 23.3533,  
35.0073


 88.9754, 66.8624,  
91.5049

 24.1541, 14.8546,  
23.3849


 114.6321, 88.6510,  
118.9427

 15.5733, 8.7174,  
14.6700


 144.8000,  
114.7232, 151.3807

 9.3117, 4.5573,  
8.4441

179.8445,  
145.4632, 189.2375

 5.0038, 1.9899,  
4.2886

220.1309,  
181.2555, 232.9315

 2.2842, 0.6016,  
1.7849

266.0247,

 0.7866, 0.0000,

222.4844, 282.8814

0.4180

317.8911,  
269.5345, 339.5056

■ 0.0000, 0.0000,  
0.0000

■ 49.7344, 34.5979,  
49.9557

■ 49.7344, 34.5979,  
49.9557

■ 46.2069, 29.2073,  
43.6479

■ 54.0349, 41.4096,  
56.9044

■ 43.3961, 25.1290,  
37.9532

■ 59.1533, 49.7310,  
64.5156

■ 41.2424, 22.2462,  
32.8438


■ 65.1346, 59.6491,  
72.8122


■ 39.6746, 20.4189,  
28.2875


■ 72.0194, 71.2428,  
81.8151

■ 38.5852, 19.4354,  
24.2395

■ 79.8457, 84.5859,  
91.5441

 38.4825, 19.3508,  
23.8325

 86.7031, 95.8550,  
101.3692

 88.0712, 96.4023,  
108.5734

# Harmonies

## Analogous

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



44.7699, 34.5979, 77.2122



49.7344, 34.5979, 49.9557



49.7240, 34.5979, 27.5177

# Triad

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



49.7344, 34.5979, 49.9557



29.1159, 34.5979, 9.4441



23.3309, 34.5979, 77.3122

# Complementary

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



49.7344, 34.5979, 49.9557



44.7114, 66.3131, 48.4765

# 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.



20.3536, 34.5979, 50.0578



49.7344, 34.5979, 49.9557



23.3137, 34.5979, 14.6392

# Square

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



49.7344, 34.5979, 49.9557



36.9326, 34.5979, 9.4351



20.3478, 34.5979, 27.5863



29.1431, 34.5979, 96.7927



# Rectangle

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



49.7344, 34.5979, 49.9557



46.8554, 34.5979, 17.8933



20.3478, 34.5979, 27.5863



22.0094, 34.5979, 68.3652

# Sweetspot

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



49.7354, 34.5996, 49.9564



81.4753, 76.9517, 91.7322



38.2551, 27.9606, 81.9784



17.0745, 15.8589, 19.1519



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.



49.7354, 34.5996, 49.9564



55.4947, 34.9712, 52.3022



44.8532, 32.6467, 24.2467



15.4221, 15.1967, 17.5080



21.4824, 10.7956, 13.6075



1.7350, 0.8670, 1.3221



# Inverse Universe

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



49.7354, 34.5996, 49.9564



55.4947, 34.9712, 52.3022



51.3665, 68.9751, 83.5215



15.4221, 15.1967, 17.5080



21.4824, 10.7956, 13.6075

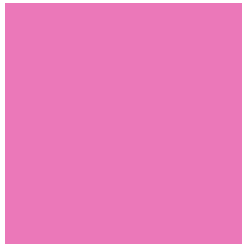


1.7350, 0.8670, 1.3221



# Previews

## White Background



This preview shows how the XYZ color 49.7344, 34.5979, 49.9557 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

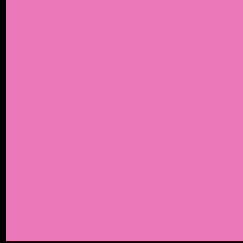
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.7344, 34.5979, 49.9557 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 49.7344, 34.5979, 49.9557**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.7344, 34.5979, 49.9557.



This preview shows how white text looks on a background with the XYZ color 49.7344, 34.5979,



# 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

49.7344, 34.5979, 49.9557

### Protanopia

35.4919, 34.8368, 66.4816

### Deuteranopia

35.5839, 34.8044, 47.4903



## Tritanopia

45.1436, 34.3876, 28.6842

# Trichromacy



## Original Color

49.7344, 34.5979, 49.9557



## Protanomaly

38.9940, 33.6758, 60.3220



## Deuteranomaly

39.4993, 33.7586, 48.1503



## Tritanomaly

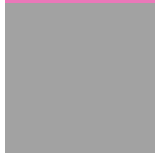
46.7403, 34.4778, 35.6439

# Monochromacy



## Original Color

49.7344, 34.5979, 49.9557



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

38.6757, 34.5885, 42.6680

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.7344, 34.5979, 49.9557 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, 120, 185)` looks like.

```
.text, #text, p{  
    color:rgb(235, 120, 185)  
}
```

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, 120, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 120, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 49.7344, 34.5979, 49.9557 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, 120, 185) }
```



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

```
.border{ border-color:rgb(235, 120, 185) }
```

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

Here you see how a box with a 4 pixel rgb(235, 120, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 120, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 120, 185);  
box-shadow:4px 4px 4px 4px rgb(235, 120,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.7344, 34.5979, 49.9557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 120, 185) }
```

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

```
.background{ background-color: rgb(235,  
120, 185) }
```

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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