

Converting Colors

XYZ(49.3001, 34.5985, 39.2228)

Have a look what the booklet for
XYZ(49.3001, 34.5985, 39.2228)
contains.

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Color

**XYZ(49.3525, 34.6385,
39.2067)**

Conversions

Conversions Part 1

Format	Color
Hex	F078A4
RGB	240, 120, 164
RGB Percent	94%, 47%, 64%
CMY	0.0588, 0.5294, 0.3569
CMYK	0.00, 0.50, 0.32, 0.06
HSL	338°, 80%, 71%
HSV	338°, 50%, 94%
XYZ	49.3525, 34.6385, 39.2067
YIQ	160.8960, 57.3960, 39.1240

Conversions

Conversions Part 2

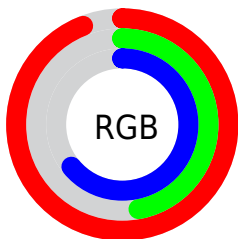
Format	Color
R _Y B	240, 120, 164
Decimal	15759524
CIE Lab	65.47, 50.73, -1.83
CIE LCh	65, 50.763, 357.937
Yxy	34.6385, 0.4006, 0.2812
Android (android.graphics.Color)	4293949604 (0xFFFF078A4)
YUV	160.8960, 1.5303, 69.3742
Hunter-Lab	58.8545, 46.6861, 1.7013

Details

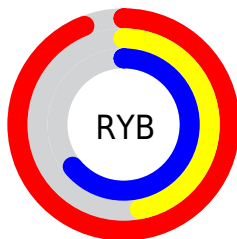
The XYZ color **49.3525, 34.6385, 39.2067** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **48.8713, 70.2997, 63.2217**, and the grayscale version is **33.8035, 35.5639, 38.7291**.

A 20% lighter version of the original color is **69.3562, 57.0344, 74.3711**, and **23.9289, 14.8900, 16.9421** is the 20% darker color. If you saturate the color by 10%, you get **45.5276, 29.0558, 31.5589**, and if you desaturate by 10%, it is **54.0666, 41.7367, 47.9611**.

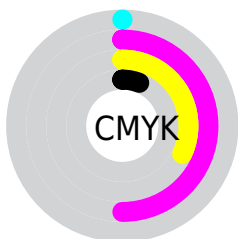
Distribution



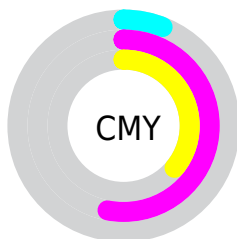
- Red (94%)
- Green (47%)
- Blue (64%)



- Red (94%)
- Yellow (47%)
- Blue (64%)



- Cyan (0%)
- Magenta (50%)
- Yellow (32%)
- Black (6%)





- Cyan (6%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3525, 34.6385, 39.2067 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 49.3525, 34.6385, 39.2067 by changing the saturation by 10% instead.


 49.3525, 34.6385,
39.2067


 49.3525, 34.6385,
39.2067

374.6224,
322.9698, 358.2207


 35.1149, 23.3845,
26.6115


 88.4123, 66.9254,
75.1778

 23.9183, 14.8777,
17.0518


 113.9653, 88.7271,
99.3908

 15.3974, 8.7336,
10.1091


 144.0207,
114.8135, 128.3134

 9.1869, 4.5678,
5.3648

178.9439,
145.5690, 162.3643

 4.9214, 1.9960,
2.4004

219.1004,
181.3779, 201.9619

 2.2355, 0.6051,
0.7867

264.8553,

 0.7613, 0.0000,

222.6248, 247.5248

0.0000

316.5742,
269.6940, 299.4715

■ 0.0000, 0.0000,
0.0000

■ 49.3525, 34.6385,
39.2067

■ 49.3525, 34.6385,
39.2067

■ 45.5276, 29.0558,
31.5589

■ 54.0666, 41.7367,
47.9611

■ 42.5282, 24.8710,
24.9671

■ 59.7220, 50.4462,
57.8655

■ 40.2863, 21.9573,
19.3788

■ 66.3699, 60.8610,
68.9630

■ 38.7202, 20.1621,
14.7350

■ 74.0567, 73.0661,
81.2938

■ 37.6967, 19.2300,
10.9568

■ 82.8262, 87.1411,
94.8960

■ 37.6964, 19.2298,
10.9559

■ 89.7453, 97.2653,
108.6517

Harmonies

Analogous

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



46.5661, 34.6385, 63.8538



49.3525, 34.6385, 39.2067



47.2168, 34.6385, 21.6183

Triad

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



49.3525, 34.6385, 39.2067



26.6763, 34.6385, 11.8962



25.9100, 34.6385, 84.0672

Complementary

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



49.3525, 34.6385, 39.2067



48.8713, 70.2997, 63.2217

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.



21.8510, 34.6385, 60.3001



49.3525, 34.6385, 39.2067



22.2445, 34.6385, 19.9063

Square

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



49.3525, 34.6385, 39.2067



33.4395, 34.6385, 9.8327



20.6160, 34.6385, 36.2625



32.4115, 34.6385, 95.1169

Rectangle

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



49.3525, 34.6385, 39.2067



43.4448, 34.6385, 14.7740



20.6160, 34.6385, 36.2625



24.2537, 34.6385, 76.9478

Sweetspot

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



49.3535, 34.6402, 39.2074



80.3803, 76.5137, 85.9661



45.2111, 31.4620, 86.1282



16.8115, 15.7537, 17.7670



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.



49.3535, 34.6402, 39.2074



52.1711, 33.2347, 36.0560



48.1308, 37.4915, 22.4713



16.0124, 15.8547, 17.6213



20.6941, 10.5500, 6.3055



1.7679, 0.8962, 0.7685

Inverse Universe

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



49.3535, 34.6402, 39.2074



52.1711, 33.2347, 36.0560



50.1308, 63.5968, 92.0715



16.0124, 15.8547, 17.6213



20.6941, 10.5500, 6.3055



1.7679, 0.8962, 0.7685

Previews

White Background



This preview shows how the XYZ color 49.3525, 34.6385, 39.2067 looks on a white background.

Color Contrast Check

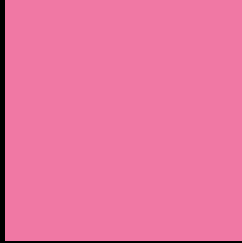
Large Text (above 18pt) WCAG AA × Fail

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 49.3525, 34.6385, 39.2067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

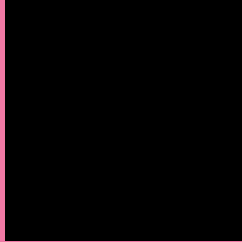
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3525, 34.6385, 39.2067

Background



This preview shows how black text looks on a background with the XYZ color 49.3525, 34.6385, 39.2067.



This preview shows how white text looks on a background with the XYZ color 49.3525, 34.6385,

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

49.3525, 34.6385, 39.2067

Protanopia

34.6304, 34.9546, 52.4986

Deuteranopia

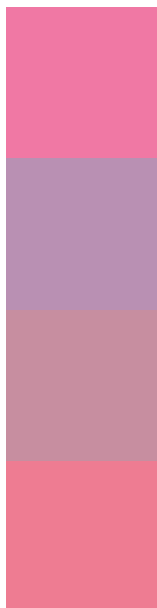
35.4064, 34.6938, 37.1782



Tritanopia

46.7591, 34.6755, 27.1502

Trichromacy



Original Color

49.3525, 34.6385, 39.2067

Protanomaly

38.1175, 33.5155, 47.1079

Deuteranomaly

39.5714, 34.0262, 37.7398

Tritanomaly

47.6559, 34.6678, 31.3739

Monochromacy



Original Color

49.3525, 34.6385, 39.2067

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

38.0357, 34.1136, 38.7623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3525, 34.6385, 39.2067 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(240, 120, 164)` looks like.

```
.text, #text, p{  
    color:rgb(240, 120, 164)  
}
```

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(240, 120, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 120, 164) }
```

Border

The CSS property to change the border of an element to XYZ 49.3525, 34.6385, 39.2067 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(240, 120, 164) }
```


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

```
.border{ border-color:rgb(240, 120, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 120, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 120, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 120, 164);  
box-shadow:4px 4px 4px 4px rgb(240, 120,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3525, 34.6385, 39.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 120, 164) }
```

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

```
.background{ background-color: rgb(240,  
120, 164) }
```

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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