

Converting Colors

XYZ(46.8214, 34.7264, 39.3232)

Have a look what the booklet for
XYZ(46.8214, 34.7264, 39.3232)
contains.

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Color

**XYZ(47.0531, 34.9417,
39.3864)**

Conversions

Conversions Part 1

Format	Color
Hex	E680A4
RGB	230, 128, 164
RGB Percent	90%, 50%, 64%
CMY	0.0980, 0.4980, 0.3569
CMYK	0.00, 0.44, 0.29, 0.10
HSL	339°, 67%, 70%
HSV	339°, 44%, 90%
XYZ	47.0531, 34.9417, 39.3864
YIQ	162.6020, 49.2360, 32.8200

Conversions

Conversions Part 2

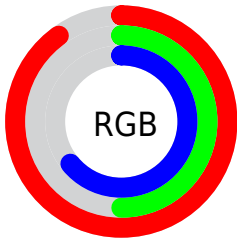
Format	Color
R _Y B	230, 128, 164
Decimal	15106212
CIE Lab	65.70, 43.37, -1.64
CIE LCh	66, 43.398, 357.840
Yxy	34.9417, 0.3876, 0.2879
Android (android.graphics.Color)	4293296292 (0xFFE680A4)
YUV	162.6020, 0.6892, 59.1080
Hunter-Lab	59.1115, 38.6419, 1.8727

Details

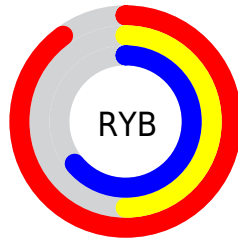
The XYZ color **47.0531, 34.9417, 39.3864** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **46.9381, 65.0787, 61.1299**, and the grayscale version is **34.6069, 36.4091, 39.6495**.

A 20% lighter version of the original color is **70.9597, 60.2414, 74.9056**, and **22.5223, 15.1094, 17.0586** is the 20% darker color. If you saturate the color by 10%, you get **43.1196, 29.1012, 31.8275**, and if you desaturate by 10%, it is **51.8257, 42.2083, 48.0018**.

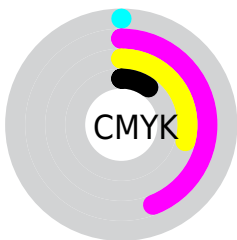
Distribution



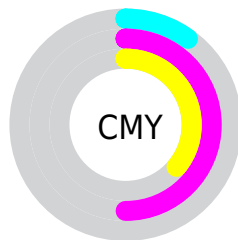
- Red (90%)
- Green (50%)
- Blue (64%)



- Red (90%)
- Yellow (50%)
- Blue (64%)



- Cyan (0%)
- Magenta (44%)
- Yellow (29%)
- Black (10%)





- Cyan (10%)
- Magenta (50%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0531, 34.9417, 39.3864 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 47.0531, 34.9417, 39.3864 by changing the saturation by 10% instead.

 47.0531, 34.9417,
39.3864


 47.0531, 34.9417,
39.3864

365.6718,
324.3109, 359.0054


 33.2858, 23.6180,
26.7503


 85.0111, 67.3954,
75.4551

 22.5057, 15.0505,
17.1550


 109.9325, 89.2942,
99.7247

 14.3476, 8.8548,
10.1819


 139.3027,
115.4869, 128.7093

 8.4462, 4.6466,
5.4126

173.4869,
146.3577, 162.8274

 4.4359, 2.0414,
2.4284

212.8506,
182.2911, 202.4975

 1.9516, 0.6314,
0.8018

257.7591,

 0.6066, 0.0000,

223.6715, 248.1382

0.0000

308.5777,
270.8833, 300.1680

■ 0.0000, 0.0000,
0.0000

■ 47.0531, 34.9417,
39.3864

■ 47.0531, 34.9417,
39.3864

■ 43.1196, 29.1012,
31.8275

■ 51.8257, 42.2083,
48.0018

■ 39.9704, 24.5864,
25.2791

■ 57.4819, 50.9822,
57.7128

■ 37.5484, 21.2920,
19.6944

■ 64.0662, 61.3446,
68.5588

■ 35.7868, 19.0942,
15.0211

■ 71.6194, 73.3694,
80.5766

■ 34.6050, 17.8422,
11.2005

■ 80.1796, 87.1257,
93.8011

■ 34.1247, 17.4196,
9.3816

■ 86.1705, 95.4540,
107.0617

■ 86.4431, 95.5630,
108.4972

Harmonies

Analogous

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



44.7271, 34.9417, 59.9994



47.0531, 34.9417, 39.3864



45.2939, 34.9417, 23.8736

Triad

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



47.0531, 34.9417, 39.3864



27.8009, 34.9417, 14.6537



27.0950, 34.9417, 76.2519

Complementary

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



47.0531, 34.9417, 39.3864



46.9381, 65.0787, 61.1299

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.



23.4943, 34.9417, 56.9426



47.0531, 34.9417, 39.3864



23.8636, 34.9417, 22.2303

Square

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



47.0531, 34.9417, 39.3864



33.6760, 34.9417, 12.6150



22.3907, 34.9417, 36.7355



32.7504, 34.9417, 85.1112

Rectangle

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



47.0531, 34.9417, 39.3864



42.1525, 34.9417, 17.4796



22.3907, 34.9417, 36.7355



25.6329, 34.9417, 70.5166

Sweetspot

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



47.0541, 34.9434, 39.3871



82.1080, 79.3375, 88.4887



43.8940, 32.4385, 78.8107



17.1495, 16.3085, 18.2530



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.



47.0541, 34.9434, 39.3871



54.9640, 37.4671, 41.1591



46.1443, 37.6105, 25.2518



14.5860, 14.4516, 16.0203



19.3721, 9.8830, 5.5883



1.4744, 0.7475, 0.6388

Inverse Universe

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



47.0541, 34.9434, 39.3871



54.9640, 37.4671, 41.1591



47.8447, 59.6203, 83.8491



14.5860, 14.4516, 16.0203



19.3721, 9.8830, 5.5883



1.4744, 0.7475, 0.6388

Previews

White Background



This preview shows how the XYZ color 47.0531, 34.9417, 39.3864 looks on a white background.

Color Contrast Check

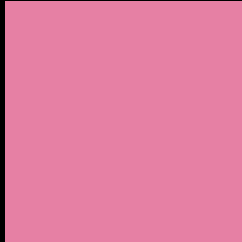
Large Text (above 18pt) WCAG AA × Fail

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 47.0531, 34.9417, 39.3864 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 47.0531, 34.9417, 39.3864

Background



This preview shows how black text looks on a background with the XYZ color 47.0531, 34.9417, 39.3864.



This preview shows how white text looks on a background with the XYZ color 47.0531, 34.9417,

39.3864.

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

47.0531, 34.9417, 39.3864

Protanopia

34.6557, 35.2831, 49.7835

Deuteranopia

35.8838, 35.1760, 37.6993



Tritanopia

45.1287, 34.9495, 29.9586

Trichromacy



Original Color

47.0531, 34.9417, 39.3864

Protanomaly

37.9548, 34.3817, 45.7102

Deuteranomaly

39.3234, 34.5598, 38.3163

Tritanomaly

45.9344, 35.0926, 33.2067

Monochromacy



Original Color

47.0531, 34.9417, 39.3864

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.0107, 35.0218, 39.4068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0531, 34.9417, 39.3864 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(230, 128, 164)` looks like.

```
.text, #text, p{  
    color:rgb(230, 128, 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(230, 128, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 128, 164) }
```

Border

The CSS property to change the border of an element to XYZ 47.0531, 34.9417, 39.3864 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(230, 128, 164) }
```


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

```
.border{ border-color:rgb(230, 128, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 128, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 128, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 128, 164);  
box-shadow:4px 4px 4px 4px rgb(230, 128,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0531, 34.9417, 39.3864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 128, 164) }
```

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

```
.background{ background-color: rgb(230,  
128, 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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