

# Converting Colors

XYZ(47.5033, 34.4972, 39.7522)

Have a look what the booklet for  
XYZ(47.5033, 34.4972, 39.7522)  
contains.

<b>XYZ(47.7294, 34.7075, 39.7809)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.7294, 34.7075,  
39.7809)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E97DA5
RGB	233, 125, 165
RGB Percent	91%, 49%, 65%
CMY	0.0863, 0.5098, 0.3529
CMYK	0.00, 0.46, 0.29, 0.09
HSL	338°, 71%, 70%
HSV	338°, 46%, 91%
XYZ	47.7294, 34.7075, 39.7809
YIQ	161.8520, 51.5280, 35.3360

# Conversions

## Conversions Part 2

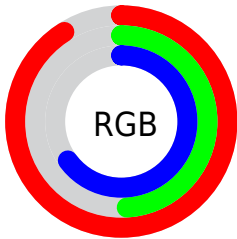
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	233, 125, 165
Decimal	15302053
CIE <sub>Lab</sub>	65.52, 46.04, -2.43
CIE <sub>LCh</sub>	66, 46.106, 356.985
Yxy	34.7075, 0.3905, 0.2840
Android (android.graphics.Color)	4293492133 (0xFFE97DA5)
YUV	161.8520, 1.5520, 62.3968
Hunter-Lab	58.9131, 41.5169, 1.2037

# Details

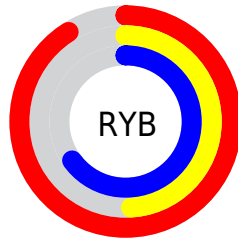
The XYZ color **47.7294, 34.7075, 39.7809** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.2237, 66.4889, 60.8003**, and the grayscale version is **34.2505, 36.0342, 39.2413**.

A 20% lighter version of the original color is **70.4795, 59.0698, 75.3971**, and **22.9772, 14.9409, 17.2956** is the 20% darker color. If you saturate the color by 10%, you get **43.8585, 28.9815, 32.2759**, and if you desaturate by 10%, it is **52.4472, 41.8817, 48.3247**.

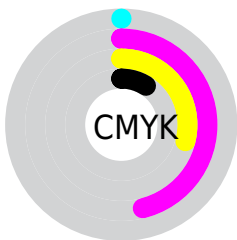
# Distribution



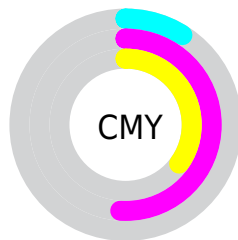
- Red (91%)
- Green (49%)
- Blue (65%)



- Red (91%)
- Yellow (49%)
- Blue (65%)



- Cyan (0%)
- Magenta (46%)
- Yellow (29%)
- Black (9%)




- Cyan (9%)
- Magenta (51%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7294, 34.7075, 39.7809 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 47.7294, 34.7075, 39.7809 by changing the saturation by 10% instead.





 47.7294, 34.7075,  
39.7809


 47.7294, 34.7075,  
39.7809

368.3190,  
323.2754, 360.7238


 33.8230, 23.4376,  
27.0553


 86.0135, 67.0324,  
76.0632

 22.9199, 14.9170,  
17.3819


 111.1219, 88.8562,  
100.4569

 14.6547, 8.7612,  
10.3423


 140.6951,  
114.9668, 129.5771

 8.6622, 4.5857,  
5.5180

175.0983,  
145.7486, 163.8423

 4.5768, 2.0063,  
2.4903

214.6969,  
181.5860, 203.6711

 2.0334, 0.6111,  
0.8350

259.8564,

 0.6526, 0.0000,

222.8633, 249.4819

0.0000

310.9419,  
269.9649, 301.6933

■ 0.0000, 0.0000,  
0.0000

■ 47.7294, 34.7075,  
39.7809

■ 47.7294, 34.7075,  
39.7809

■ 43.8585, 28.9815,  
32.2759

■ 52.4472, 41.8817,  
48.3247

■ 40.7774, 24.5983,  
25.7643

■ 58.0583, 50.5897,  
57.9459

■ 38.4260, 21.4463,  
20.1994

■ 64.6089, 60.9162,  
68.6835

■ 36.7336, 19.3935,  
15.5293

■ 72.1412, 72.9385,  
80.5737

■ 35.6129, 18.2748,  
11.6945

■ 80.6949, 86.7287,  
93.6510

■ 35.2957, 18.0002,  
10.4794

■ 87.0983, 95.9373,  
106.8787

■ 87.4143, 96.0637,  
108.5427

# Harmonies

## Analogous

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



45.1191, 34.7075, 61.8915



47.7294, 34.7075, 39.7809



45.9661, 34.7075, 23.3029

# Triad

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



47.7294, 34.7075, 39.7809



27.4401, 34.7075, 13.3935



26.4068, 34.7075, 78.3392

# Complementary

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



47.7294, 34.7075, 39.7809



47.2237, 66.4889, 60.8003

# 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.



22.7170, 34.7075, 57.3017



47.7294, 34.7075, 39.7809



23.2538, 34.7075, 20.9332

# Square

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



47.7294, 34.7075, 39.7809



33.6763, 34.7075, 11.4897



21.6458, 34.7075, 35.8678



32.3100, 34.7075, 88.4229



# Rectangle

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



47.7294, 34.7075, 39.7809



42.6638, 34.7075, 16.5991



21.6458, 34.7075, 35.8678



24.8991, 34.7075, 72.0259

# Sweetspot

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



47.7304, 34.7092, 39.7816



81.2895, 77.9356, 87.4912



43.6802, 31.7068, 80.9087



16.9919, 16.0341, 18.0748



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.



47.7304, 34.7092, 39.7816



53.8555, 35.6122, 39.6729



46.3384, 36.8686, 24.0783



15.2961, 15.1463, 16.8447



20.0824, 10.2356, 6.2352



1.6221, 0.8218, 0.7271



# Inverse Universe

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



47.7304, 34.7092, 39.7816



53.8555, 35.6122, 39.6729



48.8650, 61.6408, 86.4133



15.2961, 15.1463, 16.8447



20.0824, 10.2356, 6.2352



1.6221, 0.8218, 0.7271



# Previews

## White Background



This preview shows how the XYZ color 47.7294, 34.7075, 39.7809 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

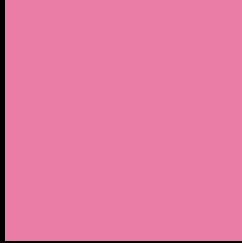
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.7294, 34.7075, 39.7809 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

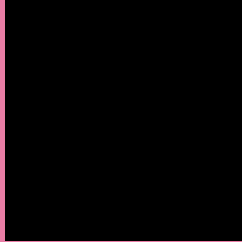
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.7294, 34.7075, 39.7809**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7294, 34.7075, 39.7809.



This preview shows how white text looks on a background with the XYZ color 47.7294, 34.7075,



# 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

47.7294, 34.7075, 39.7809

### Protanopia

34.6074, 34.9675, 51.3798

### Deuteranopia

35.5800, 34.7632, 38.0924



## Tritanopia

45.5978, 34.8183, 28.7434

# Trichromacy



## Original Color

47.7294, 34.7075, 39.7809

## Protanomaly

37.8432, 33.8394, 46.6566

## Deuteranomaly

39.1090, 33.9893, 38.6817

## Tritanomaly

46.3432, 34.7323, 32.2784

# Monochromacy



## Original Color

47.7294, 34.7075, 39.7809

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

38.0973, 34.8306, 39.3654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7294, 34.7075, 39.7809 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(233, 125, 165)` looks like.

```
.text, #text, p{  
    color:rgb(233, 125, 165)  
}
```

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(233, 125, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 125, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7294, 34.7075, 39.7809 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(233, 125, 165) }
```



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

```
.border{ border-color:rgb(233, 125, 165) }
```

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

Here you see how a box with a 4 pixel rgb(233, 125, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 125, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 125, 165);  
box-shadow:4px 4px 4px 4px rgb(233, 125,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7294, 34.7075, 39.7809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 125, 165) }
```

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

```
.background{ background-color: rgb(233,  
125, 165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor