

# Converting Colors

XYZ(49.9120, 41.4818, 34.5835)

Have a look what the booklet for  
XYZ(49.9120, 41.4818, 34.5835)  
contains.

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# Color

**XYZ(49.9312, 41.5234,  
34.6613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E89797
RGB	232, 151, 151
RGB Percent	91%, 59%, 59%
CMY	0.0902, 0.4078, 0.4078
CMYK	0.00, 0.35, 0.35, 0.09
HSL	0°, 64%, 75%
HSV	0°, 35%, 91%
XYZ	49.9312, 41.5234, 34.6613
YIQ	175.2190, 48.2760, 17.1720

# Conversions

## Conversions Part 2

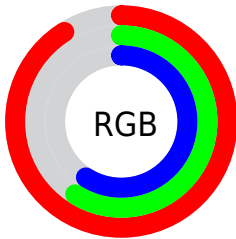
Format	Color
R <sub>Y</sub> B	232, 151, 151
Decimal	15243159
CIE Lab	70.54, 30.42, 12.65
CIE LCh	71, 32.945, 22.577
Yxy	41.5234, 0.3959, 0.3292
Android (android.graphics.Color)	4293433239 (0xFFE89797)
YUV	175.2190, -11.9400, 49.7969
Hunter-Lab	64.4387, 25.5456, 13.2152

# Details

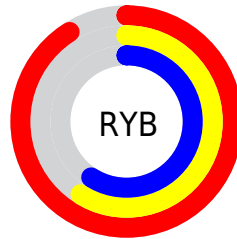
The XYZ color **49.9312, 41.5234, 34.6613** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **56.1833, 70.1159, 86.9164**, and the grayscale version is **40.9044, 43.0346, 46.8647**.

A 20% lighter version of the original color is **74.3308, 69.8104, 67.3147**, and **24.2176, 18.8425, 14.4171** is the 20% darker color. If you saturate the color by 10%, you get **44.8560, 34.0973, 24.5708**, and if you desaturate by 10%, it is **56.1139, 50.5709, 46.9509**.

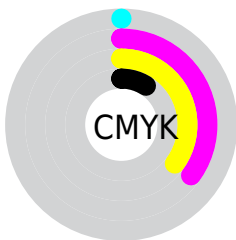
# Distribution



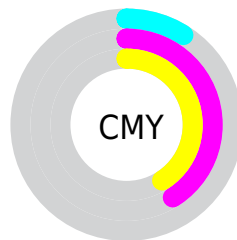
- Red (91%)
- Green (59%)
- Blue (59%)



- Red (91%)
- Yellow (59%)
- Blue (59%)



- Cyan (0%)
- Magenta (35%)
- Yellow (35%)
- Black (9%)



- Cyan (9%)
- Magenta (41%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9312, 41.5234, 34.6613 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 49.9312, 41.5234, 34.6613 by changing the saturation by 10% instead.




 49.9312, 41.5234,  
34.6613


 49.9312, 41.5234,  
34.6613


376.8533,  
352.5034, 337.9295

 35.5763, 28.7283,  
23.1206


 89.2654, 77.4778,  
68.1063

 24.2757, 18.8754,  
14.4765


 114.9753,  
101.4059, 90.8478

 15.6641, 11.5803,  
8.3103


145.2011,  
129.8137, 118.1599

 9.3761, 6.4586,  
4.2035

180.3079,  
163.0857, 150.4612

 5.0464, 3.1259,  
1.7376

220.6612,  
201.6063, 188.1703

 2.3095, 1.1978,  
0.3863

266.6263,

 0.7995, 0.0599,

245.7599, 231.7057

0.0000

318.5685,  
295.9308, 281.4859

0.0000, 0.0000,  
0.0000

49.9312, 41.5234,  
34.6613

49.9312, 41.5234,  
34.6613

44.8560, 34.0973,  
24.5708

56.1139, 50.5709,  
46.9509

40.8199, 28.1912,  
16.5474

63.4607, 61.3213,  
61.5561

37.7520, 23.7020,  
10.4489

72.0282, 73.8579,  
78.5880

35.5713, 20.5109,  
6.1140

81.8682, 88.2566,  
98.1500

34.1835, 18.4800,  
3.3555

87.0887, 95.8958,  
108.5274

■ 33.4731, 17.4403,  
1.9436

■ 33.2788, 17.1561,  
1.5575

# Harmonies

## Analogous

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



50.7707, 41.5234, 49.1925



49.9312, 41.5234, 34.6613



46.1686, 41.5234, 25.3548

# Triad

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



49.9312, 41.5234, 34.6613



31.7310, 41.5234, 29.3453



38.1311, 41.5234, 81.8856

# Complementary

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



49.9312, 41.5234, 34.6613



56.1833, 70.1159, 86.9164

# 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.



33.4470, 41.5234, 73.4100



49.9312, 41.5234, 34.6613



29.9790, 41.5234, 41.4521

# Square

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



49.9312, 41.5234, 34.6613



35.5867, 41.5234, 22.8136



30.5771, 41.5234, 57.7119



43.6191, 41.5234, 78.8859



# Rectangle

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



49.9312, 41.5234, 34.6613



42.6814, 41.5234, 22.2348



30.5771, 41.5234, 57.7119



36.4177, 41.5234, 80.2283

# Sweetspot

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



49.9323, 41.5254, 34.6621



83.6111, 83.2617, 86.1596



58.9109, 45.1156, 81.9471



17.5792, 17.3576, 17.8115



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.



49.9323, 41.5254, 34.6621



57.1527, 44.5455, 33.5614



57.6048, 56.8705, 37.2196



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639



# Inverse Universe

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



56.1833, 70.1159, 86.9164



66.0025, 85.0222, 107.5400



46.0683, 49.8859, 83.5447



14.8074, 16.3363, 18.5171



24.1040, 35.2701, 47.9206



1.7812, 2.6064, 3.5412



# Previews

## White Background



This preview shows how the XYZ color 49.9312, 41.5234, 34.6613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

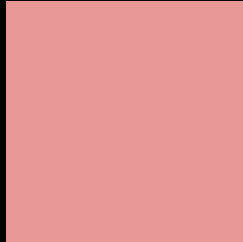
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.9312, 41.5234, 34.6613 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 49.9312, 41.5234, 34.6613**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.9312, 41.5234, 34.6613.



This preview shows how white text looks on a background with the XYZ color 49.9312, 41.5234,



# 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

49.9312, 41.5234, 34.6613

### Protanopia

39.8645, 41.6974, 40.1297

### Deuteranopia

42.2702, 41.4163, 33.7832



## Tritanopia

50.7847, 41.3917, 39.0310

# Trichromacy



## Original Color

49.9312, 41.5234, 34.6613

## Protanomaly

42.7357, 41.0253, 38.0140

## Deuteranomaly

44.7480, 41.3613, 34.0588

## Tritanomaly

50.5964, 41.5707, 37.2555

# Monochromacy



## Original Color

49.9312, 41.5234, 34.6613

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

43.2841, 41.7614, 41.8558

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.9312, 41.5234, 34.6613 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(232, 151, 151)` looks like.

```
.text, #text, p{  
    color:rgb(232, 151, 151)  
}
```

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(232, 151, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 151, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 49.9312, 41.5234, 34.6613 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(232, 151, 151) }
```



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

```
.border{ border-color:rgb(232, 151, 151) }
```

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

Here you see how a box with a 4 pixel rgb(232, 151, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 151, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 151, 151);  
box-shadow:4px 4px 4px 4px rgb(232, 151,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.9312, 41.5234, 34.6613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 151, 151) }
```

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

```
.background{ background-color: rgb(232,  
151, 151) }
```

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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