

# Converting Colors

XYZ(47.8282, 41.3288, 34.4201)

Have a look what the booklet for  
XYZ(47.8282, 41.3288, 34.4201)  
contains.

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# Color

**XYZ(47.9668, 41.4920,  
34.3348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E09B96
RGB	224, 155, 150
RGB Percent	88%, 61%, 59%
CMY	0.1216, 0.3921, 0.4118
CMYK	0.00, 0.31, 0.33, 0.12
HSL	4°, 54%, 73%
HSV	4°, 33%, 88%
XYZ	47.9668, 41.4920, 34.3348
YIQ	175.0610, 42.7290, 13.0730

# Conversions

## Conversions Part 2

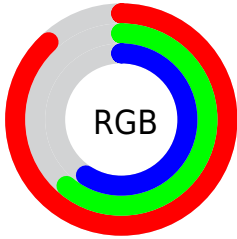
Format	Color
R <sub>Y</sub> B	224, 155, 150
Decimal	14719894
CIE Lab	70.52, 25.15, 13.04
CIE LCh	71, 28.332, 27.405
Yxy	41.4920, 0.3875, 0.3352
Android (android.graphics.Color)	4292909974 (0xFFE09B96)
YUV	175.0610, -12.3551, 42.9195
Hunter-Lab	64.4143, 20.1970, 13.4866

# Details

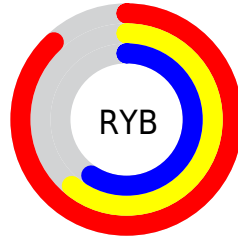
The XYZ color **47.9668, 41.4920, 34.3348** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.3627, 62.5265, 79.8827**, and the grayscale version is **40.8265, 42.9527, 46.7755**.

A 20% lighter version of the original color is **75.1857, 71.7128, 67.0060**, and **23.0387, 18.8168, 14.2221** is the 20% darker color. If you saturate the color by 10%, you get **43.1523, 34.4789, 24.6654**, and if you desaturate by 10%, it is **53.7294, 49.8492, 46.0221**.

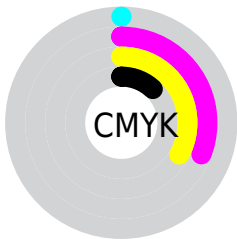
# Distribution



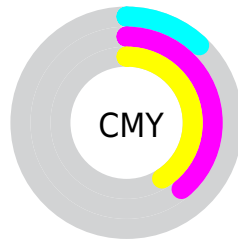
- Red (88%)
- Green (61%)
- Blue (59%)



- Red (88%)
- Yellow (61%)
- Blue (59%)



- Cyan (0%)
- Magenta (31%)
- Yellow (33%)
- Black (12%)




- Cyan (12%)
- Magenta (39%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9668, 41.4920, 34.3348 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 47.9668, 41.4920, 34.3348 by changing the saturation by 10% instead.





 47.9668, 41.4920,  
34.3348


 47.9668, 41.4920,  
34.3348


369.2453,  
352.3727, 336.4370

 34.0117, 28.7037,  
22.8715


 86.3650, 77.4302,  
67.5938

 23.0655, 18.8568,  
14.2942


 111.5388,  
101.3489, 90.2266

 14.7629, 11.5669,  
8.1845


141.1829,  
129.7466, 117.4196

 8.7384, 6.4495,  
4.1238

175.6626,  
163.0076, 149.5914

 4.6267, 3.1203,  
1.6935

215.3434,  
201.5163, 187.1604

 2.0624, 1.1948,  
0.3563

260.5905,

 0.6687, 0.0575,

245.6571, 230.5454

0.0000

311.7694,  
295.8145, 280.1647

■ 0.0000, 0.0000,  
0.0000

■ 47.9668, 41.4920,  
34.3348

■ 47.9668, 41.4920,  
34.3348

■ 43.1523, 34.4789,  
24.6654

■ 53.7294, 49.8492,  
46.0221

■ 39.2321, 28.7343,  
16.8974

■ 60.4837, 59.6093,  
59.8299

■ 36.1517, 24.1840,  
10.9060

■ 68.2746, 70.8347,  
75.8569

■ 33.8497, 20.7437,  
6.5507

■ 77.1432, 83.5824,  
94.1949

■ 32.2559, 18.3184,  
3.6696

■ 84.5505, 94.5873,  
108.4086

■ 31.2876, 16.7967,  
2.0678

■ 30.9134, 16.1932,  
1.4963

# Harmonies

## Analogous

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



49.1147, 41.4920, 46.3531



47.9668, 41.4920, 34.3348



44.4797, 41.4920, 26.7754

# Triad

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



47.9668, 41.4920, 34.3348



32.3386, 41.4920, 32.6812



39.0314, 41.4920, 76.0811

# Complementary

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



47.9668, 41.4920, 34.3348



51.3627, 62.5265, 79.8827

# 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.



34.7904, 41.4920, 70.5209



47.9668, 41.4920, 34.3348



31.1220, 41.4920, 44.0224

# Square

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



47.9668, 41.4920, 34.3348



35.4427, 41.4920, 25.9615



31.9834, 41.4920, 58.0923



43.7204, 41.4920, 72.1007



# Rectangle

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



47.9668, 41.4920, 34.3348



41.4295, 41.4920, 24.4242



31.9834, 41.4920, 58.0923



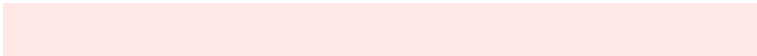
37.5093, 41.4920, 75.2447

# Sweetspot

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



47.9679, 41.4940, 34.3356



84.0916, 84.2228, 86.3198



54.4420, 42.7783, 72.4515



17.6942, 17.5875, 17.8498



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.



47.9679, 41.4940, 34.3356



59.5430, 48.6663, 36.3923



55.0807, 55.7195, 36.7066



13.7813, 13.8486, 14.2535



18.0235, 9.4848, 0.8808



1.2758, 0.7105, 0.0699



# Inverse Universe

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



51.3627, 62.5265, 79.8827



64.7855, 81.1895, 106.8643



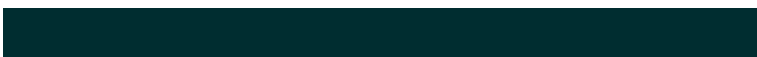
42.7742, 45.3494, 77.0198



14.0331, 15.4053, 17.6216



21.1160, 29.7015, 45.6684

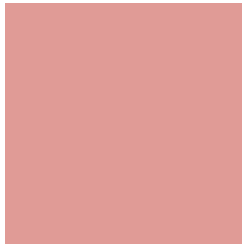


1.4878, 2.1072, 3.1735



# Previews

## White Background



This preview shows how the XYZ color 47.9668, 41.4920, 34.3348 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

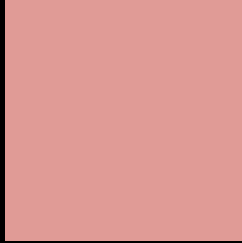
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9668, 41.4920, 34.3348 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 47.9668, 41.4920, 34.3348**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9668, 41.4920, 34.3348.



This preview shows how white text looks on a background with the XYZ color 47.9668, 41.4920,



# 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

47.9668, 41.4920, 34.3348

### Protanopia

39.6009, 41.5920, 38.7417

### Deuteranopia

42.2702, 41.4163, 33.7832



## Tritanopia

49.1434, 41.4704, 40.5364

# Trichromacy



## Original Color

47.9668, 41.4920, 34.3348

## Protanomaly

42.1426, 41.2748, 37.1982

## Deuteranomaly

44.0773, 41.2760, 34.0777

## Tritanomaly

48.8649, 41.6220, 38.2593

# Monochromacy



## Original Color

47.9668, 41.4920, 34.3348

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

42.8779, 42.0959, 41.9418

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9668, 41.4920, 34.3348 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(224, 155, 150)` looks like.

```
.text, #text, p{  
    color:rgb(224, 155, 150)  
}
```

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(224, 155, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 155, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9668, 41.4920, 34.3348 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(224, 155, 150) }
```



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

```
.border{ border-color:rgb(224, 155, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 155, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 155, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 155, 150);  
box-shadow:4px 4px 4px 4px rgb(224, 155,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9668, 41.4920, 34.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 155, 150) }
```

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

```
.background{ background-color: rgb(224,  
155, 150) }
```

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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