

# Converting Colors

XYZ(51.7320, 44.6716, 47.4909)

Have a look what the booklet for  
XYZ(51.7320, 44.6716, 47.4909)  
contains.

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# Color

**XYZ(51.7320, 44.6716,  
47.4909)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1A1B1
RGB	225, 161, 177
RGB Percent	88%, 63%, 69%
CMY	0.1176, 0.3686, 0.3059
CMYK	0.00, 0.28, 0.21, 0.12
HSL	345°, 52%, 76%
HSV	345°, 28%, 88%
XYZ	51.7320, 44.6716, 47.4909
YIQ	181.9600, 33.0080, 18.5440

# Conversions

## Conversions Part 2

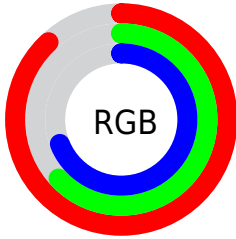
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 161, 177
Decimal	14786993
CIE <sub>Lab</sub>	72.68, 26.01, 1.21
CIE <sub>LCh</sub>	73, 26.043, 2.670
Yxy	44.6716, 0.3595, 0.3104
Android (android.graphics.Color)	4292977073 (0xFFE1A1B1)
YUV	181.9600, -2.4453, 37.7461
Hunter-Lab	66.8368, 21.1954, 4.6573

# Details

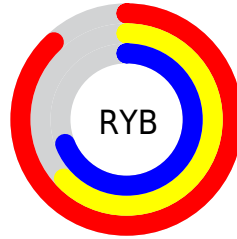
The XYZ color **51.7320, 44.6716, 47.4909** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **53.1336, 66.0320, 70.2698**, and the grayscale version is **44.4430, 46.7575, 50.9189**.

A 20% lighter version of the original color is **80.5038, 76.2549, 87.5665**, and **25.5325, 20.8530, 22.0814** is the 20% darker color. If you saturate the color by 10%, you get **46.5688, 36.8724, 37.9777**, and if you desaturate by 10%, it is **57.8133, 53.9731, 58.3375**.

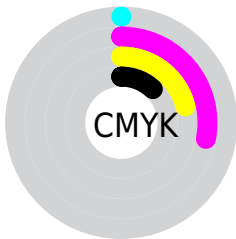
# Distribution



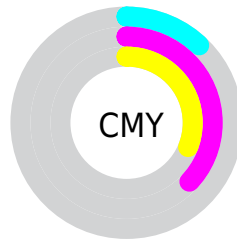
- Red (88%)
- Green (63%)
- Blue (69%)



- Red (88%)
- Yellow (63%)
- Blue (69%)



- Cyan (0%)
- Magenta (28%)
- Yellow (21%)
- Black (12%)




- Cyan (12%)
- Magenta (37%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7320, 44.6716, 47.4909 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 51.7320, 44.6716, 47.4909 by changing the saturation by 10% instead.





 51.7320, 44.6716,  
47.4909


 51.7320, 44.6716,  
47.4909

383.7421,  
365.4419, 393.2210

 37.0149, 31.1988,  
33.0668


 91.9124, 82.2274,  
87.8036

 25.3928, 20.7503,  
21.9061


 118.1065,  
107.0792, 114.5292

 16.5002, 12.9416,  
13.5902

148.8569,  
136.4928, 146.1924

 9.9719, 7.3883,  
7.7007

184.5291,  
170.8527, 183.2117

 5.4424, 3.7061,  
3.8191

225.4883,  
210.5431, 226.0057

 2.5465, 1.5106,  
1.5266

272.1000,

 0.9188, 0.2962,

255.9485, 274.9928

0.2376

324.7295,  
307.4533, 330.5918

■ 0.0000, 0.0000,  
0.0000

■ 51.7320, 44.6716,  
47.4909

■ 51.7320, 44.6716,  
47.4909

■ 46.5688, 36.8724,  
37.9777

■ 57.8133, 53.9731,  
58.3375

■ 42.2743, 30.4904,  
29.7427

■ 64.8511, 64.8437,  
70.5641

■ 38.8003, 25.4413,  
22.7307

■ 72.8864, 77.3540,  
84.2187

■ 36.0922, 21.6296,  
16.8812

■ 81.9565, 91.5680,  
99.3459

■ 34.0882, 18.9467,  
12.1284

■ 84.8615, 94.7476,  
108.4232

■ 32.7166, 17.2649,  
8.3991

■ 31.8755, 16.3981,  
5.6049

■ 31.7712, 16.2955,  
5.2429

# Harmonies

## Analogous

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



50.6453, 44.6716, 60.9670



51.7320, 44.6716, 47.4909



50.1919, 44.6716, 36.4184

# Triad

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



51.7320, 44.6716, 47.4909



37.9443, 44.6716, 30.5732



38.5978, 44.6716, 74.2313

# Complementary

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



51.7320, 44.6716, 47.4909



53.1336, 66.0320, 70.2698

# 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.



35.5642, 44.6716, 63.3287



51.7320, 44.6716, 47.4909



35.2061, 44.6716, 38.0974

# Square

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



51.7320, 44.6716, 47.4909



42.0559, 44.6716, 27.7960



34.3662, 44.6716, 49.8070



42.8647, 44.6716, 77.9330



# Rectangle

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



51.7320, 44.6716, 47.4909



47.9424, 44.6716, 31.4315



34.3662, 44.6716, 49.8070



37.4106, 44.6716, 71.2021

# Sweetspot

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



51.7332, 44.6737, 47.4918



85.5119, 85.1619, 92.6554



52.6315, 44.4835, 77.0467



17.9951, 17.7509, 19.3015



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.



51.7332, 44.6737, 47.4918



64.5891, 53.0926, 55.5421



53.2080, 50.0270, 40.5726



13.8471, 13.7565, 14.9648



18.3474, 9.4060, 3.2293



1.3073, 0.6662, 0.4111



# Inverse Universe

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



51.7332, 44.6737, 47.4918



64.5891, 53.0926, 55.5421



51.0906, 58.6157, 79.8557



13.8471, 13.7565, 14.9648



18.3474, 9.4060, 3.2293



1.3073, 0.6662, 0.4111



# Previews

## White Background



This preview shows how the XYZ color 51.7320, 44.6716, 47.4909 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

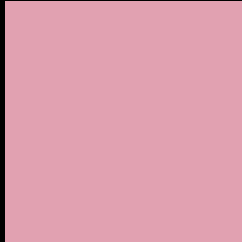
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7320, 44.6716, 47.4909 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 51.7320, 44.6716, 47.4909**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7320, 44.6716, 47.4909.



This preview shows how white text looks on a background with the XYZ color 51.7320, 44.6716,



# 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

51.7320, 44.6716, 47.4909

### Protanopia

43.4804, 45.0124, 53.4103

### Deuteranopia

45.7074, 44.8526, 46.8058



## Tritanopia

51.6116, 44.9042, 45.9915

# Trichromacy



## Original Color

51.7320, 44.6716, 47.4909

## Protanomaly

46.0647, 44.6597, 50.9921

## Deuteranomaly

47.7566, 44.7759, 47.1999

## Tritanomaly

51.7095, 44.9434, 46.5070

# Monochromacy



## Original Color

51.7320, 44.6716, 47.4909

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

46.6630, 45.5732, 49.5171

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7320, 44.6716, 47.4909 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(225, 161, 177)` looks like.

```
.text, #text, p{  
    color:rgb(225, 161, 177)  
}
```

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(225, 161, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 161, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7320, 44.6716, 47.4909 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(225, 161, 177) }
```



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

```
.border{ border-color:rgb(225, 161, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 161, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 161, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 161, 177); box-shadow:4px 4px 4px 4px rgb(225, 161, 177) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7320, 44.6716, 47.4909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 161, 177) }
```

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

```
.background{ background-color: rgb(225,  
161, 177) }
```

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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