

# Converting Colors

XYZ(51.6114, 45.1252, 47.3833)

Have a look what the booklet for  
XYZ(51.6114, 45.1252, 47.3833)  
contains.

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# Color

**XYZ(51.7735, 45.2160,  
47.5938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0A3B1
RGB	224, 163, 177
RGB Percent	88%, 64%, 69%
CMY	0.1216, 0.3608, 0.3059
CMYK	0.00, 0.27, 0.21, 0.12
HSL	346°, 50%, 76%
HSV	346°, 27%, 88%
XYZ	51.7735, 45.2160, 47.5938
YIQ	182.8350, 31.8620, 17.2860

# Conversions

## Conversions Part 2

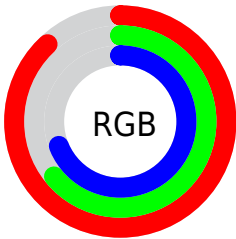
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 163, 177
Decimal	14721969
CIE <sub>Lab</sub>	73.03, 24.58, 1.72
CIE <sub>LCh</sub>	73, 24.638, 4.009
Yxy	45.2160, 0.3581, 0.3127
Android (android.graphics.Color)	4292912049 (0xFFE0A3B1)
YUV	182.8350, -2.8767, 36.1017
Hunter-Lab	67.2428, 19.7608, 5.1051

# Details

The XYZ color **51.7735, 45.2160, 47.5938** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **53.3947, 65.7521, 70.8532**, and the grayscale version is **44.9234, 47.2630, 51.4694**.

A 20% lighter version of the original color is **81.0194, 77.2860, 87.7383**, and **25.5346, 21.1744, 22.1433** is the 20% darker color. If you saturate the color by 10%, you get **46.5300, 37.3100, 37.8882**, and if you desaturate by 10%, it is **57.9416, 54.6220, 58.6823**.

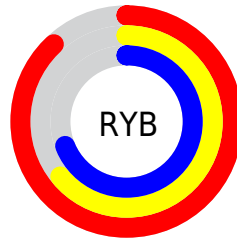
# Distribution



Red (88%)

Green (64%)

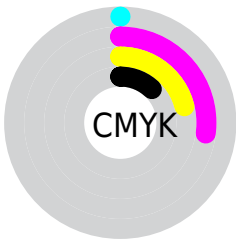
Blue (69%)



Red (88%)

Yellow (64%)

Blue (69%)

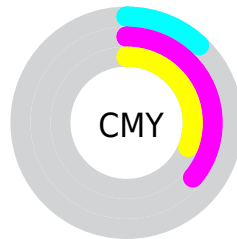


Cyan (0%)

Magenta (27%)

Yellow (21%)

Black (12%)



Cyan (12%)

Magenta (36%)


Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7735, 45.2160, 47.5938 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 51.7735, 45.2160, 47.5938 by changing the saturation by 10% instead.





 51.7735, 45.2160,  
47.5938


 51.7735, 45.2160,  
47.5938


383.8999,  
367.6477, 393.6419

 37.0481, 31.6276,  
33.1476


 91.9733, 83.0444,  
87.9585

 25.4186, 21.0772,  
21.9675

 118.1785,  
108.0533, 114.7142

 16.5196, 13.1805,  
13.6349


148.9409,  
137.6377, 146.4101

 9.9857, 7.5529,  
7.7314

184.6260,  
172.1821, 183.4647

 5.4517, 3.8102,  
3.8382

225.5991,  
212.0709, 226.2967

 2.5521, 1.5680,  
1.5370

272.2255,

 0.9216, 0.3359,

257.6885, 275.3245

0.2453

324.8707,  
309.4193, 330.9668

■ 0.0000, 0.0000,  
0.0000

■ 51.7735, 45.2160,  
47.5938

■ 51.7735, 45.2160,  
47.5938

■ 46.5300, 37.3100,  
37.8882

■ 57.9416, 54.6220,  
58.6823

■ 42.1620, 30.8201,  
29.5075

■ 65.0726, 65.5938,  
71.2026

■ 38.6216, 25.6640,  
22.3940

■ 73.2072, 78.2005,  
85.2049

■ 35.8546, 21.7478,  
16.4843

■ 82.3826, 92.5057,  
100.7360

■ 33.8001, 18.9657,  
11.7091

■ 84.5507, 94.5874,  
108.4086

■ 32.3877, 17.1938,  
7.9918

■ 31.5262, 16.2694,  
5.2431

■ 31.3470, 16.0899,  
4.6317

# Harmonies

## Analogous

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



50.8541, 45.2160, 60.3688



51.7735, 45.2160, 47.5938



50.2095, 45.2160, 37.1283

# Triad

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



51.7735, 45.2160, 47.5938



38.5111, 45.2160, 32.0805



39.4502, 45.2160, 73.7622

# Complementary

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



51.7735, 45.2160, 47.5938



53.3947, 65.7521, 70.8532

# 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.



36.4737, 45.2160, 63.7173



51.7735, 45.2160, 47.5938



35.9575, 45.2160, 39.5577

# Square

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



51.7735, 45.2160, 47.5938



42.4004, 45.2160, 29.1692



35.2370, 45.2160, 50.9085



43.5577, 45.2160, 76.8680



# Rectangle

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



51.7735, 45.2160, 47.5938



48.0265, 45.2160, 32.4353



35.2370, 45.2160, 50.9085



38.2935, 45.2160, 71.0113

# Sweetspot

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



51.7748, 45.2181, 47.5947



86.4555, 86.6965, 94.0565



53.0652, 45.2458, 76.4579



18.1801, 18.0553, 19.5655



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.



51.7748, 45.2181, 47.5947



65.0862, 54.0538, 55.8092



53.5265, 50.8408, 41.6450



13.8354, 13.7518, 14.9035



18.2826, 9.3800, 2.8878



1.3013, 0.6638, 0.3797



# Inverse Universe

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



51.7748, 45.2181, 47.5947



65.0862, 54.0538, 55.8092



51.0514, 58.1517, 79.0552



13.8354, 13.7518, 14.9035



18.2826, 9.3800, 2.8878



1.3013, 0.6638, 0.3797



# Previews

## White Background



This preview shows how the XYZ color 51.7735, 45.2160, 47.5938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

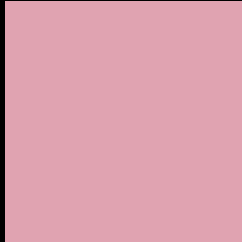
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7735, 45.2160, 47.5938 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 51.7735, 45.2160, 47.5938**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7735, 45.2160, 47.5938.



This preview shows how white text looks on a background with the XYZ color 51.7735, 45.2160,

47.5938.

# 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

51.7735, 45.2160, 47.5938

### Protanopia

44.0391, 45.6091, 52.9367

### Deuteranopia

46.4271, 45.5094, 46.8947



## Tritanopia

51.6741, 45.1763, 47.0707

# Trichromacy



## Original Color

51.7735, 45.2160, 47.5938

## Protanomaly

46.5168, 45.1764, 51.0680

## Deuteranomaly

48.2236, 45.2939, 47.2752

## Tritanomaly

51.6741, 45.1763, 47.0707

# Monochromacy



## Original Color

51.7735, 45.2160, 47.5938

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

47.1545, 46.3926, 50.1854

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7735, 45.2160, 47.5938 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, 163, 177)` looks like.

```
.text, #text, p{  
    color:rgb(224, 163, 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(224, 163, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 163, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7735, 45.2160, 47.5938 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, 163, 177) }
```



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

```
.border{ border-color:rgb(224, 163, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 163, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 163, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 163, 177);  
box-shadow:4px 4px 4px 4px rgb(224, 163,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7735, 45.2160, 47.5938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 163, 177) }
```

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

```
.background{ background-color: rgb(224,  
163, 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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