

Converting Colors

XYZ(56.7910, 50.3165, 45.7486)

Have a look what the booklet for
XYZ(56.7910, 50.3165, 45.7486)
contains.

XYZ(56.7910, 50.3165, 45.7486)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.7910, 50.3165,
45.7486)**

Conversions

Conversions Part 1

Format	Color
Hex	ECACAC
RGB	236, 172, 172
RGB Percent	93%, 67%, 67%
CMY	0.0745, 0.3255, 0.3255
CMYK	0.00, 0.27, 0.27, 0.07
HSL	0°, 63%, 80%
HSV	0°, 27%, 93%
XYZ	56.7910, 50.3165, 45.7486
YIQ	191.1360, 38.1440, 13.5680

Conversions

Conversions Part 2

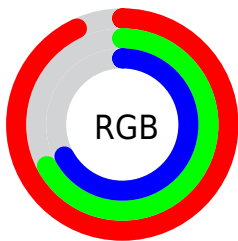
Format	Color
R _Y B	236, 172, 172
Decimal	15510700
CIE Lab	76.26, 23.44, 9.28
CIE LCh	76, 25.214, 21.589
Yxy	50.3165, 0.3715, 0.3292
Android (android.graphics.Color)	4293700780 (0xFFECACAC)
YUV	191.1360, -9.4340, 39.3457
Hunter-Lab	70.9341, 18.7753, 11.4151

Details

The XYZ color **56.7910, 50.3165, 45.7486** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **62.1481, 74.8153, 90.5224**, and the grayscale version is **49.6388, 52.2239, 56.8719**.

A 20% lighter version of the original color is **82.8485, 82.2929, 84.1906**, and **28.5774, 24.1334, 20.9213** is the 20% darker color. If you saturate the color by 10%, you get **50.6233, 41.2917, 33.4858**, and if you desaturate by 10%, it is **64.1614, 61.1019, 60.3991**.

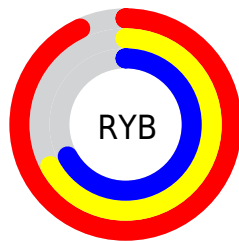
Distribution



Red (93%)

Green (67%)

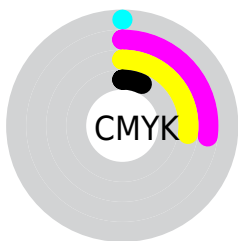
Blue (67%)



Red (93%)

Yellow (67%)

Blue (67%)

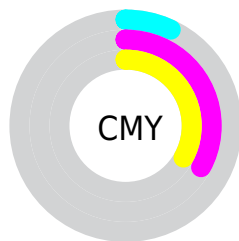


Cyan (0%)

Magenta (27%)

Yellow (27%)

Black (7%)



Cyan (7%)


Magenta (33%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7910, 50.3165, 45.7486 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 56.7910, 50.3165, 45.7486 by changing the saturation by 10% instead.


 56.7910, 50.3165,
45.7486

 56.7910, 50.3165,
45.7486


402.6926,
387.9024, 386.0452

 41.0769, 35.6649,
31.7003


 99.2933, 90.6436,
85.1729

 28.5672, 24.1755,
20.8697


126.8122,
117.0880, 111.3860

 18.8963, 15.4639,
12.8385


158.9969,
148.2321, 142.4911

 11.6989, 9.1456,
7.1880

196.2125,
184.4603, 178.9067

 6.6097, 4.8363,
3.4997

238.8245,
226.1571, 221.0514

 3.2634, 2.1515,
1.3551

287.1983,

 1.2945, 0.6934,

273.7067, 269.3436

0.1063

341.6992,
327.4937, 324.2021

■ 0.1791, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7910, 50.3165,
45.7486

■ 56.7910, 50.3165,
45.7486

■ 50.6233, 41.2917,
33.4858

■ 64.1614, 61.1019,
60.3991

■ 45.5907, 33.9275,
23.4813

■ 72.7893, 73.7268,
77.5512

■ 41.6252, 28.1249,
15.5984

■ 82.7309, 88.2741,
97.3151

■ 38.6500, 23.7712,
9.6842

■ 88.4022, 96.5729,
108.5889

■ 36.5779, 20.7390,
5.5653

■ 35.3065, 18.8785,
3.0384

■ 34.7034, 17.9958,
1.8398

■ 34.5924, 17.8333,
1.6189

Harmonies

Analogous

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



57.3991, 50.3165, 58.6855



56.7910, 50.3165, 45.7486



53.7014, 50.3165, 36.8032

Triad

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



56.7910, 50.3165, 45.7486



41.0448, 50.3165, 40.1422



46.5061, 50.3165, 84.8095

Complementary

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



56.7910, 50.3165, 45.7486



62.1481, 74.8153, 90.5224

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.



42.3925, 50.3165, 77.8398



56.7910, 50.3165, 45.7486



39.3783, 50.3165, 51.0634

Square

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



56.7910, 50.3165, 45.7486



44.5547, 50.3165, 33.9572



39.8549, 50.3165, 64.9417



51.2501, 50.3165, 82.7555

Rectangle

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



56.7910, 50.3165, 45.7486



50.7551, 50.3165, 33.5991



39.8549, 50.3165, 64.9417



45.0086, 50.3165, 83.4079

Sweetspot

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



56.7924, 50.3189, 45.7496



85.7720, 86.4238, 90.4554



64.4853, 53.3946, 86.2646



18.0096, 17.9873, 18.6670



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.



56.7924, 50.3189, 45.7496



63.1121, 53.2661, 45.4082



63.6317, 63.9976, 48.0294



15.0656, 15.0542, 15.6304



19.0679, 9.8301, 0.8924



1.4973, 0.7720, 0.0701

Inverse Universe

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



62.1481, 74.8153, 90.5224



70.5700, 87.3772, 107.7538



53.7470, 58.0131, 87.7220



15.5176, 17.1217, 19.4092



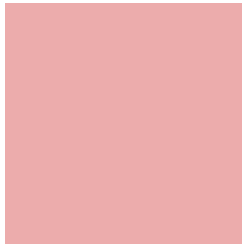
24.8770, 36.4009, 49.4579



1.9535, 2.8584, 3.8836

Previews

White Background



This preview shows how the XYZ color 56.7910, 50.3165, 45.7486 looks on a white background.

Color Contrast Check

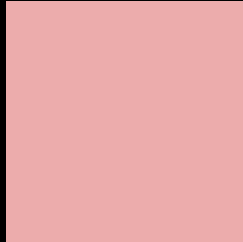
Large Text (above 18pt) WCAG AA × Fail

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 56.7910, 50.3165, 45.7486 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 56.7910, 50.3165, 45.7486

Background



This preview shows how black text looks on a background with the XYZ color 56.7910, 50.3165, 45.7486.



This preview shows how white text looks on a background with the XYZ color 56.7910, 50.3165,

45.7486.

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

56.7910, 50.3165, 45.7486

Protanopia

48.4696, 50.7311, 50.4175

Deuteranopia

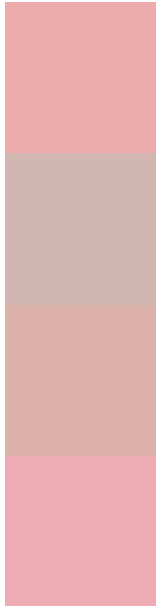
51.4242, 50.5043, 45.0682



Tritanopia

57.8470, 50.1729, 51.4352

Trichromacy



Original Color

56.7910, 50.3165, 45.7486

Protanomaly

50.9583, 50.1855, 48.5960

Deuteranomaly

53.0899, 50.1532, 45.4105

Tritanomaly

57.6246, 50.3850, 49.3360

Monochromacy



Original Color

56.7910, 50.3165, 45.7486

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

51.5243, 51.0071, 52.4771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7910, 50.3165, 45.7486 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(236, 172, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 172, 172)  
}
```

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(236, 172, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 172, 172) }
```

Border

The CSS property to change the border of an element to XYZ 56.7910, 50.3165, 45.7486 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(236, 172, 172) }
```


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

```
.border{ border-color:rgb(236, 172, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 172, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 172, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 172, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 172,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7910, 50.3165, 45.7486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 172, 172) }
```

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

```
.background{ background-color: rgb(236,  
172, 172) }
```

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