

# Converting Colors

XYZ(60.2901, 52.5817, 45.4115)

Have a look what the booklet for  
XYZ(60.2901, 52.5817, 45.4115)  
contains.

<b>XYZ(60.4928, 52.8052, 45.5322)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(60.4928, 52.8052,  
45.5322)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6AEAB
RGB	246, 174, 171
RGB Percent	96%, 68%, 67%
CMY	0.0353, 0.3176, 0.3294
CMYK	0.00, 0.29, 0.30, 0.04
HSL	2°, 81%, 82%
HSV	2°, 30%, 96%
XYZ	60.4928, 52.8052, 45.5322
YIQ	195.1860, 43.8750, 14.3310

# Conversions

## Conversions Part 2

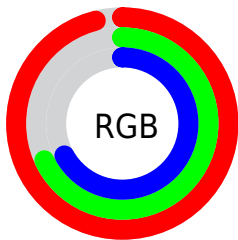
Format	Color
RYB	246, 174, 171
Decimal	16166571
CIELab	77.76, 25.95, 12.09
CIELCh	78, 28.632, 24.988
Yxy	52.8052, 0.3809, 0.3325
Android (android.graphics.Color)	4294356651 (0xFFF6AEAB)
YUV	195.1860, -11.9237, 44.5639
Hunter-Lab	72.6672, 21.4272, 13.7168

# Details

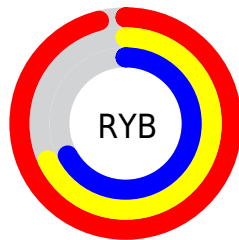
The XYZ color **60.4928, 52.8052, 45.5322** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **65.4787, 79.4104, 99.0657**, and the grayscale version is **52.0344, 54.7442, 59.6165**.

A 20% lighter version of the original color is **83.2643, 83.3446, 83.6501**, and **30.9062, 25.6980, 20.7840** is the 20% darker color. If you saturate the color by 10%, you get **54.1947, 43.6187, 32.9210**, and if you desaturate by 10%, it is **68.0321, 63.7752, 60.7111**.

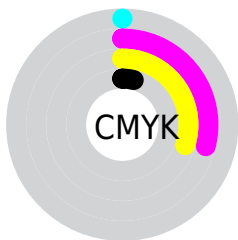
# Distribution



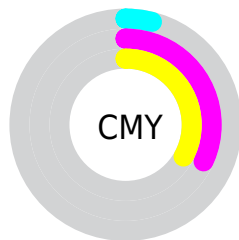
- Red (96%)
- Green (68%)
- Blue (67%)



- Red (96%)
- Yellow (68%)
- Blue (67%)



- Cyan (0%)
- Magenta (29%)
- Yellow (30%)
- Black (4%)




- Cyan (4%)
- Magenta (32%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.4928, 52.8052, 45.5322 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 60.4928, 52.8052, 45.5322 by changing the saturation by 10% instead.





 60.4928, 52.8052,  
45.5322

 60.4928, 52.8052,  
45.5322


416.2175,  
397.5373, 385.1475

 44.0669, 37.6473,  
31.5308


 104.6465, 94.3177,  
84.8454

 30.9213, 25.7091,  
20.7416


133.1050,  
121.4410, 110.9942

 20.6904, 16.6061,  
12.7458


166.3052,  
153.3216, 142.0293

 13.0091, 9.9541,  
7.1251

204.6123,  
190.3438, 178.3692

 7.5118, 5.3685,  
3.4608

248.3917,  
232.8921, 220.4325

 3.8334, 2.4651,  
1.3345

298.0089,

 1.6083, 0.8591,

281.3509, 268.6376

0.0898

353.8290,  
336.1045, 323.4031

■ 0.3978, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.4928, 52.8052,  
45.5322

■ 60.4928, 52.8052,  
45.5322

■ 54.1947, 43.6187,  
32.9210

■ 68.0321, 63.7752,  
60.7111

■ 49.0673, 36.1144,  
22.7325

■ 76.8697, 76.6080,  
78.5854

■ 45.0397, 30.1927,  
14.8124

■ 87.0642, 91.3871,  
99.2780

■ 42.0313, 25.7401,  
8.9873

■ 91.8161, 98.3329,  
108.7487

■ 39.9507, 22.6283,  
5.0585

■ 38.6900, 20.7067,  
2.7894

■ 38.1131, 19.8068,  
1.8143

# Harmonies

## Analogous

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



61.5839, 52.8052, 60.2067



60.4928, 52.8052, 45.5322



56.5623, 52.8052, 35.9285

# Triad

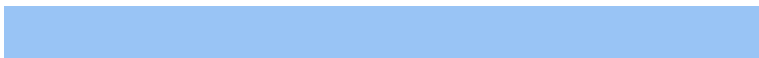
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



60.4928, 52.8052, 45.5322



41.9501, 52.8052, 41.6884



49.2635, 52.8052, 93.6150

# Complementary

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



60.4928, 52.8052, 45.5322



65.4787, 79.4104, 99.0657

# 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.



44.3147, 52.8052, 86.3227



60.4928, 52.8052, 45.5322



40.2956, 52.8052, 54.8677

# Square

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



60.4928, 52.8052, 45.5322



45.8172, 52.8052, 34.0126



41.1285, 52.8052, 71.3906



54.8321, 52.8052, 89.8701



# Rectangle

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



60.4928, 52.8052, 45.5322



53.0039, 52.8052, 32.7482



41.1285, 52.8052, 71.3906



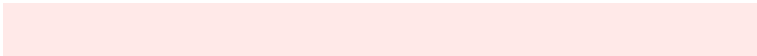
47.4770, 52.8052, 92.3394

# Sweetspot

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



60.4942, 52.8077, 45.5333



84.9429, 85.3496, 88.3783



68.8227, 55.2206, 92.2220



17.8560, 17.7965, 18.2573



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.



60.4942, 52.8077, 45.5333



60.9948, 50.5260, 40.0943



68.6514, 69.1221, 48.2523



16.5524, 16.5888, 17.1271



20.3671, 10.6198, 0.9764



1.8085, 0.9702, 0.0919



# Inverse Universe

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



65.4787, 79.4104, 99.0657



67.2434, 83.8926, 107.2565



55.5010, 59.4549, 95.7398



16.9365, 18.6372, 21.2473



24.9373, 35.6684, 52.1084

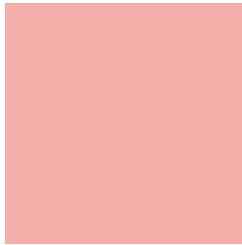


2.2091, 3.1697, 4.5856



# Previews

## White Background



This preview shows how the XYZ color 60.4928, 52.8052, 45.5322 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

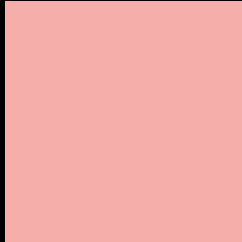
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.4928, 52.8052, 45.5322 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

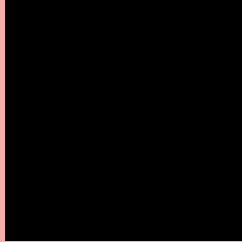
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.4928, 52.8052, 45.5322**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.4928, 52.8052, 45.5322.



This preview shows how white text looks on a background with the XYZ color 60.4928, 52.8052,

45.5322.

# 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

60.4928, 52.8052, 45.5322

### Protanopia

50.6410, 53.1367, 50.7674

### Deuteranopia

54.0256, 52.7781, 44.8759



## Tritanopia

61.8673, 52.7820, 52.8261

# Trichromacy



## Original Color

60.4928, 52.8052, 45.5322

## Protanomaly

53.6037, 52.4712, 48.8977

## Deuteranomaly

56.0927, 52.6080, 45.2282

## Tritanomaly

61.5396, 52.9566, 50.1582

# Monochromacy



## Original Color

60.4928, 52.8052, 45.5322

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

54.3648, 53.3820, 53.8928

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.4928, 52.8052, 45.5322 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(246, 174, 171)` looks like.

```
.text, #text, p{  
    color:rgb(246, 174, 171)  
}
```

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(246, 174, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 174, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 60.4928, 52.8052, 45.5322 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(246, 174, 171) }
```



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

```
.border{ border-color:rgb(246, 174, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 174, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 174, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 174, 171); box-shadow:4px 4px 4px 4px rgb(246, 174, 171) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.4928, 52.8052, 45.5322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 174, 171) }
```

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

```
.background{ background-color: rgb(246,  
174, 171) }
```

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