

# Converting Colors

XYZ(55.9947, 50.6749, 52.3951)

Have a look what the booklet for  
XYZ(55.9947, 50.6749, 52.3951)  
contains.

<b>XYZ(55.9766, 50.6146, 52.1667)</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(55.9766, 50.6146,  
52.1667)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4AFB8
RGB	228, 175, 184
RGB Percent	89%, 69%, 72%
CMY	0.1059, 0.3137, 0.2784
CMYK	0.00, 0.23, 0.19, 0.11
HSL	350°, 50%, 79%
HSV	350°, 23%, 89%
XYZ	55.9766, 50.6146, 52.1667
YIQ	191.8730, 28.6990, 14.0350

# Conversions

## Conversions Part 2

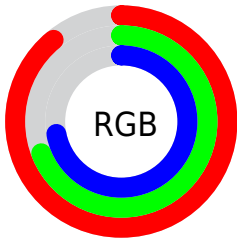
Format	Color
R <sub>Y</sub> B	228, 175, 184
Decimal	14987192
CIE Lab	76.44, 20.64, 2.89
CIE LCh	76, 20.840, 7.972
Yxy	50.6146, 0.3526, 0.3188
Android (android.graphics.Color)	4293177272 (0xFFE4AFB8)
YUV	191.8730, -3.8814, 31.6834
Hunter-Lab	71.1439, 15.9433, 6.3260

# Details

The XYZ color **55.9766, 50.6146, 52.1667** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **58.2108, 69.7165, 77.4098**, and the grayscale version is **50.0402, 52.6462, 57.3317**.

A 20% lighter version of the original color is **85.5441, 84.7031, 94.2787**, and **28.0695, 24.3284, 24.6892** is the 20% darker color. If you saturate the color by 10%, you get **50.0547, 41.7365, 41.0492**, and if you desaturate by 10%, it is **62.9160, 61.1019, 64.9347**.

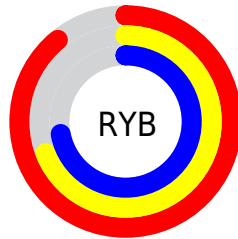
# Distribution



Red (89%)

Green (69%)

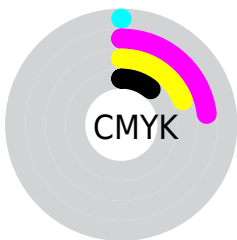
Blue (72%)



Red (89%)

Yellow (69%)

Blue (72%)

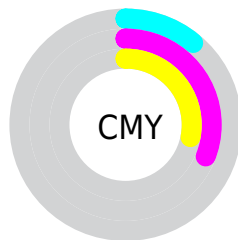


Cyan (0%)

Magenta (23%)

Yellow (19%)

Black (11%)



Cyan (11%)

Magenta (31%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9766, 50.6146, 52.1667 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 55.9766, 50.6146, 52.1667 by changing the saturation by 10% instead.




 55.9766, 50.6146,  
52.1667

 55.9766, 50.6146,  
52.1667

399.6798,  
389.0646, 412.0551

 40.4211, 35.9020,  
36.7548


 98.1104, 91.0848,  
94.8061

 28.0527, 24.3585,  
24.7234


125.4193,  
117.6112, 122.8707

 18.5060, 15.5998,  
15.6540


157.3768,  
148.8444, 155.9900

 11.4158, 9.2414,  
9.1279

194.3482,  
185.1686, 194.5825

 6.4166, 4.8990,  
4.7268

236.6989,  
226.9683, 239.0667

 3.1430, 2.1881,  
2.0319

284.7941,

 1.2299, 0.7135,

274.6280, 289.8611

0.5748

338.9993,  
328.5319, 347.3844

■ 0.1297, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 55.9766, 50.6146,  
52.1667

■ 55.9766, 50.6146,  
52.1667

■ 50.0547, 41.7365,  
41.0492

■ 62.9160, 61.1019,  
64.9347

■ 45.0982, 34.3813,  
31.5112

■ 70.9137, 73.2654,  
79.4136

■ 41.0563, 28.4652,  
23.4815

■ 80.0132, 87.1767,  
95.6650

■ 37.8721, 23.8933,  
16.8819

■ 85.8051, 95.2341,  
108.4673

■ 35.4821, 20.5593,  
11.6271

■ 33.8137, 18.3410,  
7.6224

■ 32.7802, 17.0907,  
4.7603

■ 32.3564, 16.6386,  
3.3999

# Harmonies

## Analogous

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



55.4494, 50.6146, 63.6225



55.9766, 50.6146, 52.1667



54.3066, 50.6146, 42.8516

# Triad

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



55.9766, 50.6146, 52.1667



43.6114, 50.6146, 39.7658



45.3319, 50.6146, 77.6766

# Complementary

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



55.9766, 50.6146, 52.1667



58.2108, 69.7165, 77.4098

# 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.



42.3994, 50.6146, 69.5098



55.9766, 50.6146, 52.1667



41.4444, 50.6146, 47.3941

# Square

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



55.9766, 50.6146, 52.1667



47.0684, 50.6146, 36.3550



41.0131, 50.6146, 58.1634



49.1621, 50.6146, 79.4105



# Rectangle

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



55.9766, 50.6146, 52.1667



52.2227, 50.6146, 38.7404



41.0131, 50.6146, 58.1634



44.2147, 50.6146, 75.5439

# Sweetspot

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



55.9780, 50.6169, 52.1677



87.3226, 88.2172, 95.0035



58.3334, 51.2129, 80.2098



18.5550, 18.6758, 20.0895



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.



55.9780, 50.6169, 52.1677



68.2294, 59.3478, 59.9167



58.5365, 57.1954, 48.5149



14.4763, 14.4077, 15.4427



18.7132, 9.6195, 2.1189



1.4127, 0.7228, 0.3136



# Inverse Universe

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



55.9780, 50.6169, 52.1677



68.2294, 59.3478, 59.9167



55.0328, 61.4134, 82.3527



14.4763, 14.4077, 15.4427



18.7132, 9.6195, 2.1189

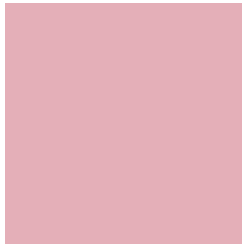


1.4127, 0.7228, 0.3136



# Previews

## White Background



This preview shows how the XYZ color 55.9766, 50.6146, 52.1667 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

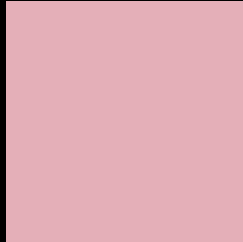
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.9766, 50.6146, 52.1667 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

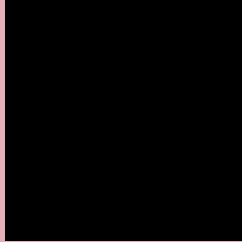
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.9766, 50.6146, 52.1667**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.9766, 50.6146, 52.1667.



This preview shows how white text looks on a background with the XYZ color 55.9766, 50.6146,



# 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

55.9766, 50.6146, 52.1667

### Protanopia

48.8730, 50.8044, 56.5206

### Deuteranopia

51.7752, 50.8412, 51.8842



## Tritanopia

56.2081, 50.3969, 54.3420

# Trichromacy



## Original Color

55.9766, 50.6146, 52.1667

## Protanomaly

50.9124, 50.3352, 54.6092

## Deuteranomaly

53.1874, 50.6603, 51.7749

## Tritanomaly

56.1006, 50.3539, 53.7762

# Monochromacy



## Original Color

55.9766, 50.6146, 52.1667

## Achromatopsia

50.1023, 52.7115, 57.4028

## Achromatomaly

51.9211, 51.7711, 55.4004

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.9766, 50.6146, 52.1667 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(228, 175, 184)` looks like.

```
.text, #text, p{  
    color:rgb(228, 175, 184)  
}
```

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(228, 175, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 175, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 55.9766, 50.6146, 52.1667 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".

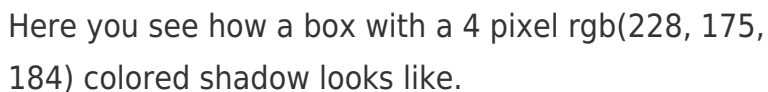
```
.border, #border, table{ border:4px solid rgb(228, 175, 184) }
```



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

```
.border{ border-color:rgb(228, 175, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(228, 175, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 175, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 175, 184);  
box-shadow:4px 4px 4px 4px rgb(228, 175,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.9766, 50.6146, 52.1667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 175, 184) }
```

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

```
.background{ background-color: rgb(228,  
175, 184) }
```

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