

# Converting Colors

XYZ(52.6782, 45.3624, 44.3692)

Have a look what the booklet for  
XYZ(52.6782, 45.3624, 44.3692)  
contains.

<b>XYZ(52.9041, 45.6039, 44.5422)</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(52.9041, 45.6039,  
44.5422)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E6A2AB
RGB	230, 162, 171
RGB Percent	90%, 64%, 67%
CMY	0.0980, 0.3647, 0.3294
CMYK	0.00, 0.30, 0.26, 0.10
HSL	352°, 58%, 77%
HSV	352°, 30%, 90%
XYZ	52.9041, 45.6039, 44.5422
YIQ	183.3580, 37.6390, 17.2150

# Conversions

## Conversions Part 2

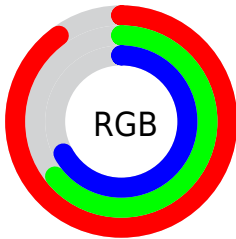
Format	Color
R <sub>Y</sub> B	230, 162, 171
Decimal	15114923
CIE Lab	73.29, 26.43, 5.48
CIE LCh	73, 26.995, 11.704
Yxy	45.6039, 0.3698, 0.3188
Android (android.graphics.Color)	4293305003 (0xFFE6A2AB)
YUV	183.3580, -6.0925, 40.9050
Hunter-Lab	67.5307, 21.6598, 8.1647

# Details

The XYZ color **52.9041, 45.6039, 44.5422** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **56.2501, 69.4965, 78.8594**, and the grayscale version is **45.2253, 47.5805, 51.8152**.

A 20% lighter version of the original color is **79.7803, 76.3767, 82.4888**, and **26.1393, 21.3680, 20.1995** is the 20% darker color. If you saturate the color by 10%, you get **47.4561, 37.5257, 34.0389**, and if you desaturate by 10%, it is **59.3828, 55.2831, 56.8071**.

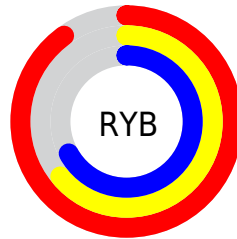
# Distribution



Red (90%)

Green (64%)

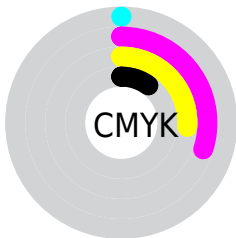
Blue (67%)



Red (90%)

Yellow (64%)

Blue (67%)

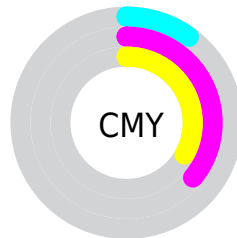


Cyan (0%)

Magenta (30%)

Yellow (26%)

Black (10%)



Cyan (10%)

Magenta (36%)

Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9041, 45.6039, 44.5422 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 52.9041, 45.6039, 44.5422 by changing the saturation by 10% instead.





 52.9041, 45.6039,  
44.5422


 52.9041, 45.6039,  
44.5422


388.1840,  
369.2139, 381.0222

 37.9534, 31.9334,  
30.7567


 93.6296, 83.6259,  
83.3442

 26.1236, 21.3106,  
20.1567


 120.1351,  
108.7461, 109.1977

 17.0493, 13.3512,  
12.3238


151.2229,  
138.4517, 139.9109

 10.3651, 7.6709,  
6.8394

187.2584,  
173.1271, 175.9025

 5.7058, 3.8851,  
3.2849

228.6069,  
213.1566, 217.5908

 2.7060, 1.6095,  
1.2419

275.6337,

 1.0003, 0.3640,

258.9246, 265.3945

0.0135

328.7043,  
310.8156, 319.7321

■ 0.0000, 0.0000,  
0.0000

■ 52.9041, 45.6039,  
44.5422

■ 52.9041, 45.6039,  
44.5422

■ 47.4561, 37.5257,  
34.0389

■ 59.3828, 55.2831,  
56.8071

■ 42.9819, 30.9562,  
25.2134

■ 66.9378, 66.6365,  
70.9067

■ 39.4244, 25.8033,  
17.9790

■ 75.6166, 79.7405,  
86.9132

■ 36.7195, 21.9624,  
12.2404

■ 85.4627, 94.6647,  
104.8941

■ 34.7942, 19.3142,  
7.8917

■ 86.4432, 95.5630,  
108.4972

■ 33.5632, 17.7178,  
4.8128

■ 32.8954, 16.9454,  
2.8542

■ 32.8731, 16.9190,  
2.7903

# Harmonies

## Analogous

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



52.5947, 45.6039, 58.3151



52.9041, 45.6039, 44.5422



50.5177, 45.6039, 34.2249

# Triad

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



52.9041, 45.6039, 44.5422



37.5558, 45.6039, 32.5942



40.5444, 45.6039, 78.8149

# Complementary

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



52.9041, 45.6039, 44.5422



56.2501, 69.4965, 78.8594

# 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.



36.8858, 45.6039, 69.1397



52.9041, 45.6039, 44.5422



35.2491, 45.6039, 41.8976

# Square

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



52.9041, 45.6039, 44.5422



41.5211, 45.6039, 28.2167



35.0131, 45.6039, 55.1446



45.2218, 45.6039, 79.8776



# Rectangle

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



52.9041, 45.6039, 44.5422



47.8142, 45.6039, 30.0227



35.0131, 45.6039, 55.1446



39.1636, 45.6039, 76.3899

# Sweetspot

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



52.9053, 45.6060, 44.5431



85.1185, 85.0045, 90.5839



57.0031, 46.9177, 80.9147



17.8989, 17.7125, 18.7950



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.



52.9053, 45.6060, 44.5431



62.8223, 51.6382, 48.5430



56.9123, 54.9458, 41.7911



14.4542, 14.3989, 15.3264



18.6359, 9.5886, 1.7119



1.4022, 0.7186, 0.2585



# Inverse Universe

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



52.9053, 45.6060, 44.5431



62.8223, 51.6382, 48.5430



51.0322, 57.0908, 83.1930



14.4542, 14.3989, 15.3264



18.6359, 9.5886, 1.7119



1.4022, 0.7186, 0.2585



# Previews

## White Background



This preview shows how the XYZ color 52.9041, 45.6039, 44.5422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

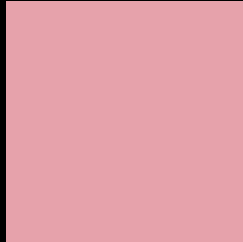
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9041, 45.6039, 44.5422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

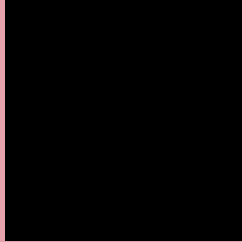
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.9041, 45.6039, 44.5422**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9041, 45.6039, 44.5422.



This preview shows how white text looks on a background with the XYZ color 52.9041, 45.6039,



# 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

52.9041, 45.6039, 44.5422

### Protanopia

43.9890, 45.6437, 50.2077

### Deuteranopia

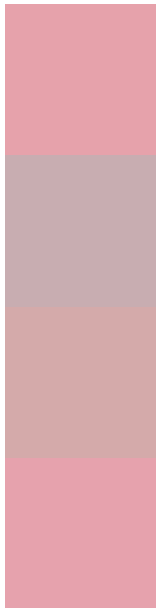
46.6546, 45.6932, 43.8968



## Tritanopia

53.1934, 45.7196, 46.0656

# Trichromacy



## Original Color

52.9041, 45.6039, 44.5422

## Protanomaly

46.6988, 45.3408, 47.8853

## Deuteranomaly

48.7818, 45.6488, 44.2702

## Tritanomaly

53.0963, 45.6808, 45.5540

# Monochromacy



## Original Color

52.9041, 45.6039, 44.5422

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

47.2861, 46.1940, 49.0719

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9041, 45.6039, 44.5422 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(230, 162, 171)` looks like.

```
.text, #text, p{  
    color:rgb(230, 162, 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(230, 162, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 162, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9041, 45.6039, 44.5422 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(230, 162, 171) }
```



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

```
.border{ border-color:rgb(230, 162, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 162, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 162, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 162, 171);  
box-shadow:4px 4px 4px 4px rgb(230, 162,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9041, 45.6039, 44.5422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 162, 171) }
```

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

```
.background{ background-color: rgb(230,  
162, 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](#).

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