

# Converting Colors

XYZ(56.0463, 51.7731, 41.2217)

Have a look what the booklet for  
XYZ(56.0463, 51.7731, 41.2217)  
contains.

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# Color

**XYZ(56.0463, 51.7731,  
41.2217)**

# Conversions

Conversions Part 1	
Format	Color
Hex	E9B2A2
RGB	233, 178, 162
RGB Percent	91%, 70%, 64%
CMY	0.0863, 0.3019, 0.3647
CMYK	0.00, 0.24, 0.30, 0.09
HSL	14°, 62%, 77%
HSV	14°, 30%, 91%
XYZ	56.0463, 51.7731, 41.2217
YIQ	192.6210, 37.9160, 6.6840

# Conversions

## Conversions Part 2

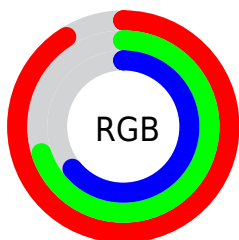
Format	Color
<a href="#">RYB</a>	<a href="#">233, 183, 162</a>
Decimal	<a href="#">15315618</a>
CIELab	<a href="#">77.14, 17.80, 15.91</a>
CIELCh	<a href="#">77, 23.871, 41.801</a>
Yxy	<a href="#">51.7731, 0.3760, 0.3474</a>
Android (android.graphics.Color)	<a href="#">4293505698</a> (0xFFE9B2A2)
YUV	<a href="#">192.6210, -15.0962, 35.4124</a>
Hunter-Lab	<a href="#">71.9535, 13.1192, 16.4006</a>

# Details

The XYZ color **56.0463, 51.7731, 41.2217** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **54.4204, 63.1883, 86.4193**, and the grayscale version is **50.5375, 53.1694, 57.9014**.

A 20% lighter version of the original color is **83.1872, 85.1154, 77.6901**, and **28.0526, 25.0231, 18.1033** is the 20% darker color. If you saturate the color by 10%, you get **50.8063, 44.3062, 30.1860**, and if you desaturate by 10%, it is **62.1452, 60.3433, 54.4380**.

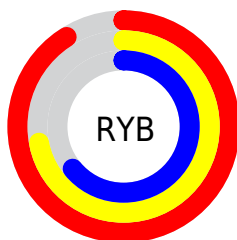
# Distribution



Red (91%)

Green (70%)

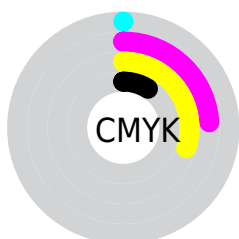
Blue (64%)



Red (91%)

Yellow (72%)

Blue (64%)

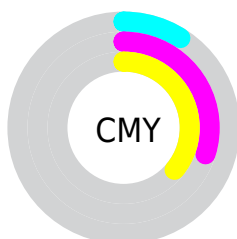


Cyan (0%)

Magenta (24%)

Yellow (30%)

Black (9%)



Cyan (9%)

Magenta (30%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0463, 51.7731, 41.2217 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 56.0463, 51.7731, 41.2217 by changing the saturation by 10% instead.





 56.0463, 51.7731,  
41.2217


 56.0463, 51.7731,  
41.2217


399.9382,  
393.5600, 366.9504

 40.4772, 36.8242,  
28.1714


 98.2117, 92.7965,  
78.2777

 28.0967, 25.0714,  
18.2147


 125.5387,  
119.6399, 103.1203

 18.5394, 16.1303,  
10.9332


157.5157,  
151.2169, 132.7309

 11.4399, 9.6164,  
5.9083

194.5080,  
187.9119, 167.5278

 6.4330, 5.1454,  
2.7215

236.8811,  
230.1093, 207.9297

 3.1533, 2.3328,  
0.9542


285.0002,


 1.2353, 0.7910,


278.1935, 254.3551


0.0000


339.2308,  
332.5490, 307.2225


 0.1340, 0.0000,  
0.0000

 0.0000, 0.0000,  
0.0000


 56.0463, 51.7731,  
41.2217


 56.0463, 51.7731,  
41.2217

 50.8063, 44.3062,  
30.1860


 62.1452, 60.3433,  
54.4380


 46.3817, 37.8901,  
21.2100

 69.1360, 70.0519,  
69.9408

 42.7310, 32.4791,  
14.1654

 77.0545, 80.9416,  
87.8327

 39.8074, 28.0208,  
8.9084

 85.9012, 93.0374,  
108.0383

■ 37.5584, 24.4583,  
5.2749

■ 87.4144, 96.0637,  
108.5427

■ 35.9238, 21.7277,  
3.0697

■ 34.8558, 19.8266,  
1.9898

# Harmonies

## Analogous

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



58.3104, 51.7731, 51.3856



56.0463, 51.7731, 41.2217



52.0013, 51.7731, 35.7050

# Triad

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



56.0463, 51.7731, 41.2217



41.3325, 51.7731, 48.8801



51.0259, 51.7731, 84.7326

# Complementary

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



56.0463, 51.7731, 41.2217



54.4204, 63.1883, 86.4193

# 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.



46.5181, 51.7731, 83.7834



56.0463, 51.7731, 41.2217



41.1072, 51.7731, 61.6712

# Square

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



56.0463, 51.7731, 41.2217



43.5870, 51.7731, 39.6326



42.9513, 51.7731, 74.8427



55.2943, 51.7731, 77.2645



# Rectangle

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



56.0463, 51.7731, 41.2217



48.9334, 51.7731, 34.7946



42.9513, 51.7731, 74.8427



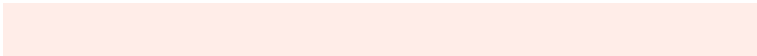
49.4852, 51.7731, 85.4153

# Sweetspot

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



56.0477, 51.7755, 41.2227



86.1615, 87.7868, 88.7845



59.1298, 48.2068, 72.2557



18.1535, 18.3915, 18.3565



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.



56.0477, 51.7755, 41.2227



64.3534, 57.2433, 41.2139



63.8912, 67.4625, 43.8372



15.3409, 15.6048, 15.7222



19.8542, 11.4027, 1.1545



1.6296, 1.0365, 0.1142

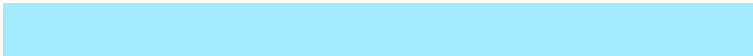


# Inverse Universe

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



54.4204, 63.1883, 86.4193



62.0240, 73.4538, 105.5167



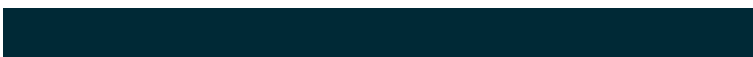
46.3607, 47.0689, 83.7328



15.2130, 16.5124, 19.3077



17.7585, 22.1640, 47.0851



1.4649, 1.8813, 3.7208



# Previews

## White Background



This preview shows how the XYZ color 56.0463, 51.7731, 41.2217 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

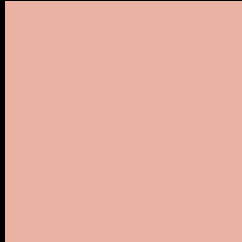
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.0463, 51.7731, 41.2217 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 56.0463, 51.7731, 41.2217**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.0463, 51.7731, 41.2217.



This preview shows how white text looks on a background with the XYZ color 56.0463, 51.7731,



# 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

56.0463, 51.7731, 41.2217

### Protanopia

49.0345, 51.7962, 44.4591

### Deuteranopia

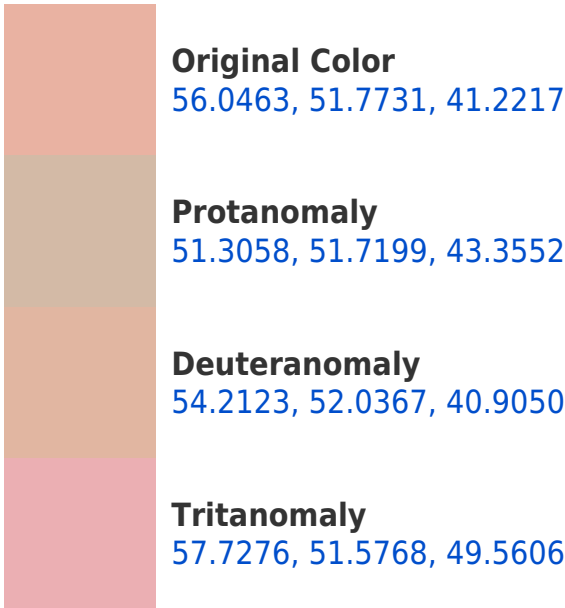
53.0887, 52.0698, 40.9706



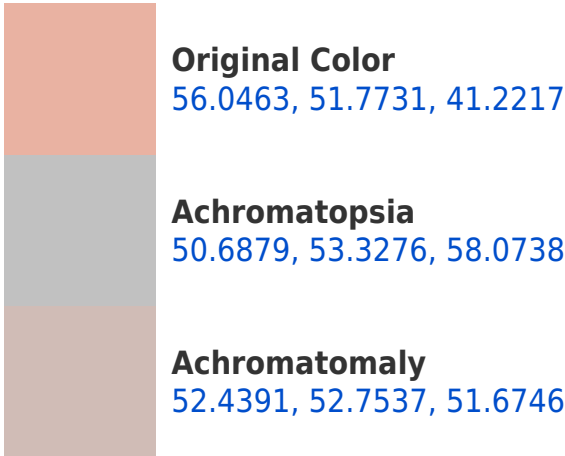
## Tritanopia

58.8052, 51.7358, 54.4636

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.0463, 51.7731, 41.2217 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(233, 178, 162) looks like.

```
.text, #text, p{  
    color:rgb(233, 178, 162)  
}
```

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(233, 178, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 178, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 56.0463, 51.7731, 41.2217 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(233, 178, 162) }
```



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

```
.border{ border-color:rgb(233, 178, 162) }
```

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

Here you see how a box with a 4 pixel rgb(233, 178, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 178, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 178, 162);  
box-shadow:4px 4px 4px 4px rgb(233, 178,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.0463, 51.7731, 41.2217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 178, 162) }
```

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

```
.background{ background-color: rgb(233,  
178, 162) }
```

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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