

# Converting Colors

XYZ(53.0469, 46.3112, 28.7701)

Have a look what the booklet for  
XYZ(53.0469, 46.3112, 28.7701)  
contains.

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# Color

**XYZ(52.9969, 46.2663,  
28.6913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFA386
RGB	239, 163, 134
RGB Percent	94%, 64%, 53%
CMY	0.0627, 0.3608, 0.4745
CMYK	0.00, 0.32, 0.44, 0.06
HSL	17°, 77%, 73%
HSV	17°, 44%, 94%
XYZ	52.9969, 46.2663, 28.6913
YIQ	182.4180, 54.6050, 7.0930

# Conversions

## Conversions Part 2

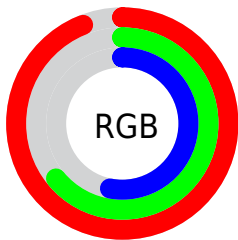
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	239, 174, 134
Decimal	15704966
CIE Lab	73.72, 24.82, 26.46
CIE LCh	74, 36.283, 46.837
Yxy	46.2663, 0.4142, 0.3616
Android (android.graphics.Color)	4293895046 (0xFFEFA386)
YUV	182.4180, -23.8701, 49.6224
Hunter-Lab	68.0193, 20.0435, 22.6044

# Details

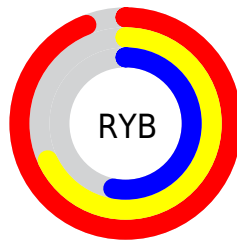
The XYZ color **52.9969, 46.2663, 28.6913** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **48.4572, 57.3913, 90.1850**, and the grayscale version is **44.7977, 47.1307, 51.3253**.

A 20% lighter version of the original color is **75.2810, 74.9907, 57.5206**, and **26.1071, 21.7123, 11.2024** is the 20% darker color. If you saturate the color by 10%, you get **48.6506, 39.9467, 19.9271**, and if you desaturate by 10%, it is **58.1424, 53.5814, 39.5811**.

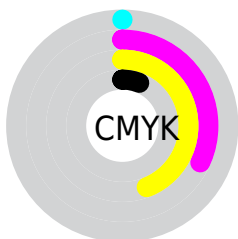
# Distribution



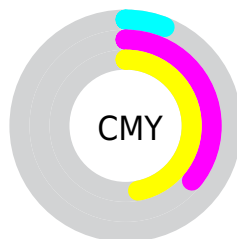
- Red (94%)
- Green (64%)
- Blue (53%)



- Red (94%)
- Yellow (68%)
- Blue (53%)



- Cyan (0%)
- Magenta (32%)
- Yellow (44%)
- Black (6%)




- Cyan (6%)
- Magenta (36%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9969, 46.2663, 28.6913 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 52.9969, 46.2663, 28.6913 by changing the saturation by 10% instead.





 52.9969, 46.2663,  
28.6913


 52.9969, 46.2663,  
28.6913


388.5343,  
371.8782, 309.7709


 38.0278, 32.4560,  
18.6039


 93.7654, 84.6174,  
58.6226

 26.1815, 21.7100,  
11.2105


 120.2954,  
109.9270, 79.3035

 17.0929, 13.6440,  
6.0926

 151.4098,  
139.8385, 104.3526

 10.3965, 7.8735,  
2.8318

187.4739,  
174.7363, 134.1886

 5.7269, 4.0141,  
1.0094

228.8530,  
215.0048, 169.2298

 2.7188, 1.6815,  
0.0000

275.9125,

 1.0069, 0.4116,

261.0283, 209.8949

0.0000

329.0178,  
313.1913, 256.6024

■ 0.0000, 0.0000,  
0.0000

■ 52.9969, 46.2663,  
28.6913

■ 52.9969, 46.2663,  
28.6913

■ 48.6506, 39.9467,  
19.9271

■ 58.1424, 53.5814,  
39.5811

■ 45.0573, 34.5715,  
13.1449

■ 64.1228, 61.9263,  
52.7218

■ 42.1711, 30.0953,  
8.1872

■ 70.9759, 71.3423,  
68.2321

■ 39.9392, 26.4657,  
4.8712

■ 78.7359, 81.8661,  
86.2217

■ 38.2995, 23.6242,  
2.9748

■ 87.4353, 93.5327,  
106.7931

■ 37.5461, 22.2496,  
2.3157

■ 89.4066, 97.0907,  
108.6359

# Harmonies

## Analogous

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



56.9173, 46.2663, 40.7903



52.9969, 46.2663, 28.6913



46.8540, 46.2663, 23.1426

# Triad

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



52.9969, 46.2663, 28.6913



32.9900, 46.2663, 42.7274



47.6582, 46.2663, 92.4917

# Complementary

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



52.9969, 46.2663, 28.6913



48.4572, 57.3913, 90.1850

# 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.



41.2159, 46.2663, 93.3765



52.9969, 46.2663, 28.6913



33.1599, 46.2663, 61.3571

# Square

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



52.9969, 46.2663, 28.6913



35.5502, 46.2663, 29.8097



36.0394, 46.2663, 80.9084



53.6349, 46.2663, 78.7243



# Rectangle

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



52.9969, 46.2663, 28.6913



42.5176, 46.2663, 22.7405



36.0394, 46.2663, 80.9084



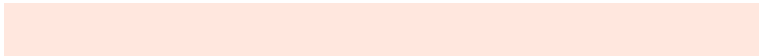
45.4647, 46.2663, 94.4052

# Sweetspot

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



52.9981, 46.2686, 28.6922



82.9827, 83.6818, 80.7804



55.8798, 40.1045, 66.4240



17.3618, 17.3654, 16.3743



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.



52.9981, 46.2686, 28.6922



56.7091, 46.7886, 23.7638



64.0732, 68.4188, 32.3839



16.1282, 16.4695, 16.4786



20.8430, 12.4841, 1.3111



1.8144, 1.1995, 0.1359



# Inverse Universe

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



48.4572, 57.3913, 90.1850



50.7599, 61.1722, 103.7398



37.7242, 35.9255, 86.6074



15.8567, 17.1476, 20.1957



16.9813, 20.1868, 48.1293



1.4955, 1.8451, 4.0315



# Previews

## White Background



This preview shows how the XYZ color 52.9969, 46.2663, 28.6913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

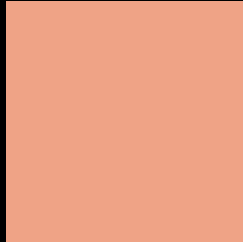
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9969, 46.2663, 28.6913 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 52.9969, 46.2663, 28.6913**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9969, 46.2663, 28.6913.



This preview shows how white text looks on a background with the XYZ color 52.9969, 46.2663,



# 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

52.9969, 46.2663, 28.6913

### Protanopia

43.3987, 46.3382, 32.2480

### Deuteranopia

47.3252, 46.3851, 28.2887



## Tritanopia

56.1005, 46.2332, 43.9973

# Trichromacy



## Original Color

52.9969, 46.2663, 28.6913

## Protanomaly

46.3746, 45.8378, 30.8295

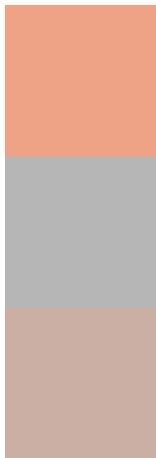
## Deuteranomaly

49.3488, 46.2902, 28.5242

## Tritanomaly

54.9322, 46.2767, 37.9353

# Monochromacy



## Original Color

52.9969, 46.2663, 28.6913

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

46.7501, 46.0731, 42.0263

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9969, 46.2663, 28.6913 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(239, 163, 134)` looks like.

```
.text, #text, p{  
    color:rgb(239, 163, 134)  
}
```

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(239, 163, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 163, 134) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9969, 46.2663, 28.6913 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(239, 163, 134) }
```



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

```
.border{ border-color:rgb(239, 163, 134) }
```

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

Here you see how a box with a 4 pixel rgb(239, 163, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 163, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 163, 134);  
box-shadow:4px 4px 4px 4px rgb(239, 163,  
134) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9969, 46.2663, 28.6913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 163, 134) }
```

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

```
.background{ background-color: rgb(239,  
163, 134) }
```

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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