

# Converting Colors

XYZ(52.1760, 49.2556, 26.4706)

Have a look what the booklet for  
XYZ(52.1760, 49.2556, 26.4706)  
contains.

<b>XYZ(52.0509, 49.1552, 26.4832)</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(52.0509, 49.1552,  
26.4832)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7AF7E
RGB	231, 175, 126
RGB Percent	91%, 69%, 49%
CMY	0.0941, 0.3137, 0.5059
CMYK	0.00, 0.24, 0.45, 0.09
HSL	28°, 69%, 70%
HSV	28°, 45%, 91%
XYZ	52.0509, 49.1552, 26.4832
YIQ	186.1580, 49.1050, -3.3670

# Conversions

## Conversions Part 2

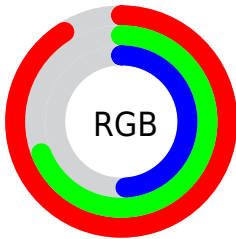
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 218, 126
Decimal	15183742
CIE Lab	75.55, 14.47, 33.00
CIE LCh	76, 36.030, 66.322
Yxy	49.1552, 0.4076, 0.3850
Android (android.graphics.Color)	4293373822 (0xFFE7AF7E)
YUV	186.1580, -29.6579, 39.3264
Hunter-Lab	70.1108, 9.8262, 26.6817

# Details

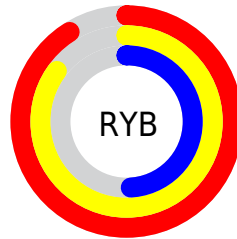
The XYZ color **52.0509, 49.1552, 26.4832** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.7553, 43.6595, 81.9331**, and the grayscale version is **46.9035, 49.3461, 53.7380**.

A 20% lighter version of the original color is **77.9526, 81.6665, 54.3025**, and **25.6210, 23.5720, 10.0369** is the 20% darker color. If you saturate the color by 10%, you get **48.4399, 44.0496, 18.7555**, and if you desaturate by 10%, it is **56.2272, 54.8407, 36.0982**.

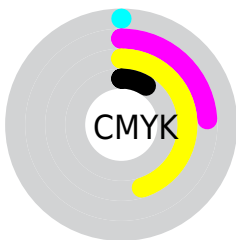
# Distribution



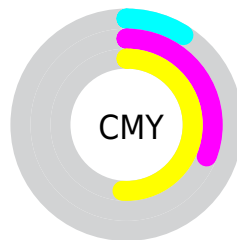
- Red (91%)
- Green (69%)
- Blue (49%)



- Red (91%)
- Yellow (85%)
- Blue (49%)



- Cyan (0%)
- Magenta (24%)
- Yellow (45%)
- Black (9%)




- Cyan (9%)
- Magenta (31%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.0509, 49.1552, 26.4832 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 52.0509, 49.1552, 26.4832 by changing the saturation by 10% instead.




 52.0509, 49.1552,  
26.4832

 52.0509, 49.1552,  
26.4832


384.9538,  
383.3530, 298.8267


 37.2701, 34.7426,  
16.9565

 92.3801, 88.9219,  
55.0471

 25.5913, 23.4647,  
10.0418

 118.6592,  
115.0448, 74.9213

 16.6492, 14.9370,  
5.3207

 149.5017,  
145.8400, 99.0818

 10.0785, 8.7752,  
2.3746

185.2731,  
181.6918, 127.9470

 5.5137, 4.5948,  
0.7726

226.3386,  
222.9845, 161.9356

 2.5895, 2.0116,  
0.0000

273.0637,

 0.9406, 0.6142,

270.1027, 201.4660

0.0000

325.8136,  
323.4308, 246.9569

■ 0.0000, 0.0000,  
0.0000

■ 52.0509, 49.1552,  
26.4832

■ 52.0509, 49.1552,  
26.4832

■ 48.4399, 44.0496,  
18.7555

■ 56.2272, 54.8407,  
36.0982

■ 45.3608, 39.4955,  
12.7837

■ 60.9926, 61.1189,  
47.7139

■ 42.7816, 35.4724,  
8.4240


■ 66.3736, 68.0110,  
61.4380

■ 40.6644, 31.9549,  
5.5081


■ 72.3939, 75.5347,  
77.3697

■ 38.9637, 28.9142,  
3.8291

■ 79.0759, 83.7071,  
95.6019

 38.2976, 27.6742,  
3.3231

 84.8557, 91.9104,  
107.8759

 86.7650, 95.7289,  
108.5123

# Harmonies

## Analogous

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



57.8090, 49.1552, 34.6148



52.0509, 49.1552, 26.4832



45.3254, 49.1552, 24.7324

# Triad

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



52.0509, 49.1552, 26.4832



35.1199, 49.1552, 57.6599



54.7184, 49.1552, 88.8166

# Complementary

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



52.0509, 49.1552, 26.4832



39.7553, 43.6595, 81.9331

# 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.



48.1440, 49.1552, 98.8412



52.0509, 49.1552, 26.4832



37.1492, 49.1552, 78.2993

# Square

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



52.0509, 49.1552, 26.4832



35.9528, 49.1552, 40.1104



41.7671, 49.1552, 94.5946



59.4485, 49.1552, 69.6317



# Rectangle

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



52.0509, 49.1552, 26.4832



41.2724, 49.1552, 26.9329



41.7671, 49.1552, 94.5946



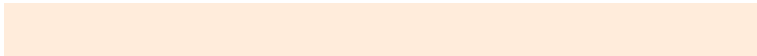
52.6282, 49.1552, 93.5536

# Sweetspot

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



52.0521, 49.1576, 26.4842



84.0501, 86.3591, 79.4642



48.8596, 35.2885, 48.4926



17.6581, 18.0647, 16.1442



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.



52.0521, 49.1576, 26.4842



60.6831, 55.2181, 23.6041



64.3270, 73.7074, 30.5758



14.9287, 15.4713, 15.1039



21.5920, 15.7581, 1.9036



1.6878, 1.3490, 0.1714



# Inverse Universe

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



39.7553, 43.6595, 81.9331



43.4021, 47.4773, 101.4842



30.9448, 26.0383, 78.9962



14.2161, 15.1535, 18.3200



12.1957, 11.4534, 43.9511



0.9940, 1.0320, 3.2788



# Previews

## White Background



This preview shows how the XYZ color 52.0509, 49.1552, 26.4832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

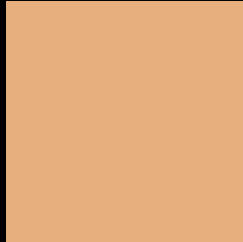
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.0509, 49.1552, 26.4832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

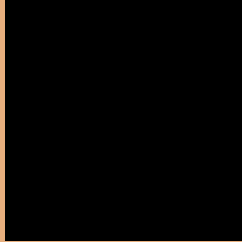
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.0509, 49.1552, 26.4832**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.0509, 49.1552, 26.4832.



This preview shows how white text looks on a background with the XYZ color 52.0509, 49.1552,

26.4832.

# 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

52.0509, 49.1552, 26.4832

### Protanopia

45.7430, 49.1740, 28.5533

### Deuteranopia

50.0535, 49.0094, 26.2237



## Tritanopia

56.9352, 49.1743, 50.2068

# Trichromacy



## Original Color

52.0509, 49.1552, 26.4832

## Protanomaly

47.8418, 49.0379, 27.7126

## Deuteranomaly

50.7878, 49.0937, 26.2013

## Tritanomaly

54.9276, 49.1915, 40.3181

# Monochromacy



## Original Color

52.0509, 49.1552, 26.4832

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

47.7859, 48.6928, 42.0020

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.0509, 49.1552, 26.4832 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(231, 175, 126)` looks like.

```
.text, #text, p{  
    color:rgb(231, 175, 126)  
}
```

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(231, 175, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 175, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 52.0509, 49.1552, 26.4832 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(231, 175, 126) }
```



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

```
.border{ border-color:rgb(231, 175, 126) }
```

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

Here you see how a box with a 4 pixel rgb(231, 175, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 175, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 175, 126);  
box-shadow:4px 4px 4px 4px rgb(231, 175,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.0509, 49.1552, 26.4832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 175, 126) }
```

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

```
.background{ background-color: rgb(231,  
175, 126) }
```

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