

# Converting Colors

XYZ(49.4692, 43.9043, 25.5270)

Have a look what the booklet for  
XYZ(49.4692, 43.9043, 25.5270)  
contains.

<b>XYZ(49.4658, 43.9850, 25.6215)</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(49.4658, 43.9850,  
25.6215)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7A17E
RGB	231, 161, 126
RGB Percent	91%, 63%, 49%
CMY	0.0941, 0.3686, 0.5059
CMYK	0.00, 0.30, 0.45, 0.09
HSL	20°, 69%, 70%
HSV	20°, 45%, 91%
XYZ	49.4658, 43.9850, 25.6215
YIQ	177.9400, 52.9550, 3.9550

# Conversions

## Conversions Part 2

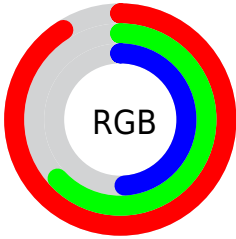
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 179, 126
Decimal	15180158
CIE <sub>Lab</sub>	72.22, 21.93, 28.63
CIE <sub>LCh</sub>	72, 36.062, 52.541
Yxy	43.9850, 0.4154, 0.3694
Android (android.graphics.Color)	4293370238 (0xFFE7A17E)
YUV	177.9400, -25.6064, 46.5336
Hunter-Lab	66.3212, 17.0725, 23.5197

# Details

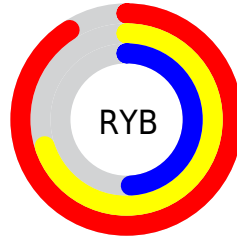
The XYZ color **49.4658, 43.9850, 25.6215** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.7671, 49.6831, 82.9370**, and the grayscale version is **42.3977, 44.6057, 48.5756**.

A 20% lighter version of the original color is **73.9326, 73.6264, 52.9625**, and **24.0418, 20.3573, 9.6834** is the 20% darker color. If you saturate the color by 10%, you get **45.6166, 38.4031, 17.8143**, and if you desaturate by 10%, it is **53.9928, 50.3718, 35.3533**.

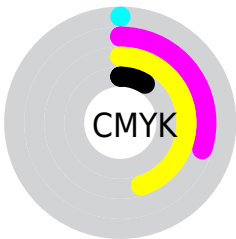
# Distribution



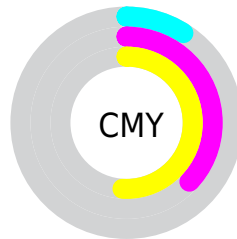
- Red (91%)
- Green (63%)
- Blue (49%)



- Red (91%)
- Yellow (70%)
- Blue (49%)



- Cyan (0%)
- Magenta (30%)
- Yellow (45%)
- Black (9%)




- Cyan (9%)
- Magenta (37%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.4658, 43.9850, 25.6215 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 49.4658, 43.9850, 25.6215 by changing the saturation by 10% instead.





 49.4658, 43.9850,  
25.6215


 49.4658, 43.9850,  
25.6215


375.0598,  
362.6471, 294.4652

 35.2052, 30.6587,  
16.3175


 88.5794, 81.1952,  
53.6403

 23.9882, 20.3391,  
9.5923


 114.1632,  
105.8478, 73.1921

 15.4496, 12.6418,  
5.0274


 144.2520,  
135.0448, 96.9969

 9.2239, 7.1823,  
2.2043

179.2113,  
169.1704, 125.4733

 4.9458, 3.5764,  
0.6769

219.4063,  
208.6090, 159.0398

 2.2499, 1.4395,  
0.0000

265.2025,

 0.7688, 0.2456,

253.7450, 198.1149

0.0000

316.9652,  
304.9629, 243.1172

■ 0.0000, 0.0000,  
0.0000

■ 49.4658, 43.9850,  
25.6215

■ 49.4658, 43.9850,  
25.6215

■ 45.6166, 38.4031,  
17.8143

■ 53.9928, 50.3718,  
35.3533

■ 42.4060, 33.5859,  
11.7987

■ 59.2273, 57.5884,  
47.1253

■ 39.7951, 29.4994,  
7.4285

■ 65.2014, 65.6666,  
61.0471

■ 37.7388, 26.1038,  
4.5329

■ 71.9438, 74.6346,  
77.2195

■ 36.1838, 23.3544,  
2.9024

■ 79.4819, 84.5192,  
95.7371

■ 35.6096, 22.2982,  
2.4271

■ 86.2565, 94.7119,  
108.3428

■ 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.



53.7826, 43.9850, 35.9843



49.4658, 43.9850, 25.6215



43.3695, 43.9850, 21.4337

# Triad

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



49.4658, 43.9850, 25.6215



31.0868, 43.9850, 43.6049



46.5340, 43.9850, 86.7473

# Complementary

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



49.4658, 43.9850, 25.6215



42.7671, 49.6831, 82.9370

# 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.



40.2813, 43.9850, 90.2318



49.4658, 43.9850, 25.6215



31.7548, 43.9850, 62.1740

# Square

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



49.4658, 43.9850, 25.6215



33.0576, 43.9850, 30.0182



34.9816, 43.9850, 80.3412



51.9768, 43.9850, 71.7412



# Rectangle

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



49.4658, 43.9850, 25.6215



39.2764, 43.9850, 21.7421



34.9816, 43.9850, 80.3412



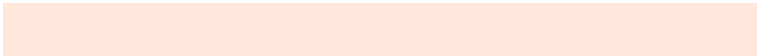
44.4428, 43.9850, 89.4339

# Sweetspot

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



49.4669, 43.9871, 25.6224



82.6981, 83.6551, 79.0135



50.3799, 35.8966, 56.4983



17.3303, 17.4091, 16.0349



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.



49.4669, 43.9871, 25.6224



57.1537, 48.1592, 22.4277



60.6413, 66.3359, 29.3471



14.7676, 15.1491, 15.0502



20.0653, 12.7047, 1.3947



1.5657, 1.1048, 0.1307

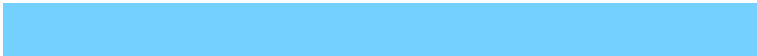


# Inverse Universe

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



42.7671, 49.6831, 82.9370



47.7026, 56.0784, 102.9178



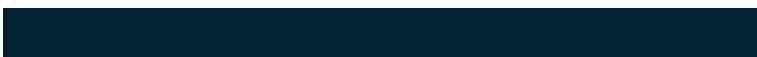
32.9261, 30.0010, 79.6567



14.3815, 15.4843, 18.3751



14.6820, 16.4261, 44.7799



1.1695, 1.3829, 3.3373



# Previews

## White Background



This preview shows how the XYZ color 49.4658, 43.9850, 25.6215 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

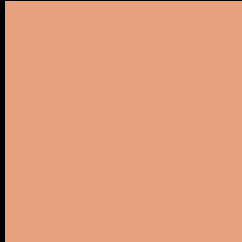
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.4658, 43.9850, 25.6215 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

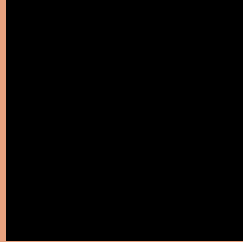
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.4658, 43.9850, 25.6215**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.4658, 43.9850, 25.6215.



This preview shows how white text looks on a background with the XYZ color 49.4658, 43.9850,

25.6215.

# 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

49.4658, 43.9850, 25.6215

### Protanopia

41.1910, 44.0849, 28.5285

### Deuteranopia

44.8768, 44.0536, 25.2067



## Tritanopia

52.9573, 43.8949, 42.2406

# Trichromacy



## Original Color

49.4658, 43.9850, 25.6215

## Protanomaly

43.7690, 43.7167, 27.2504

## Deuteranomaly

46.4338, 44.0235, 25.4521

## Tritanomaly

51.6562, 43.8734, 35.4516

# Monochromacy



## Original Color

49.4658, 43.9850, 25.6215

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

44.0365, 43.8786, 38.9493

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.4658, 43.9850, 25.6215 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, 161, 126)` looks like.

```
.text, #text, p{  
    color:rgb(231, 161, 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, 161, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 161, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 49.4658, 43.9850, 25.6215 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, 161, 126) }
```



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

```
.border{ border-color:rgb(231, 161, 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, 161, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 161, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 161, 126);  
box-shadow:4px 4px 4px 4px rgb(231, 161,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.4658, 43.9850, 25.6215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 161, 126) }
```

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

```
.background{ background-color: rgb(231,  
161, 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