

# Converting Colors

XYZ(48.8059, 42.3508, 26.3711)

Have a look what the booklet for  
XYZ(48.8059, 42.3508, 26.3711)  
contains.

<b>XYZ(48.8059, 42.3508, 26.3711)</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(48.8059, 42.3508,  
26.3711)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E79C81
RGB	231, 156, 129
RGB Percent	91%, 61%, 51%
CMY	0.0941, 0.3882, 0.4941
CMYK	0.00, 0.32, 0.44, 0.09
HSL	16°, 68%, 71%
HSV	16°, 44%, 91%
XYZ	48.8059, 42.3508, 26.3711
YIQ	175.3470, 53.3670, 7.5030

# Conversions

## Conversions Part 2

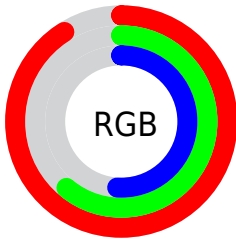
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 166, 129
Decimal	15178881
CIE Lab	71.11, 24.91, 25.53
CIE LCh	71, 35.663, 45.705
Yxy	42.3508, 0.4153, 0.3603
Android (android.graphics.Color)	4293368961 (0xFFE79C81)
YUV	175.3470, -22.8491, 48.8077
Hunter-Lab	65.0775, 19.9833, 21.5284

# Details

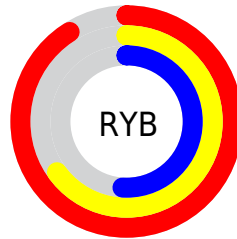
The XYZ color **48.8059, 42.3508, 26.3711** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **45.0690, 53.6202, 83.5755**, and the grayscale version is **41.0237, 43.1601, 47.0014**.

A 20% lighter version of the original color is **72.9778, 71.2259, 54.1576**, and **23.5952, 19.3494, 9.8883** is the 20% darker color. If you saturate the color by 10%, you get **44.7871, 36.4990, 18.2933**, and if you desaturate by 10%, it is **53.5724, 49.1426, 36.4113**.

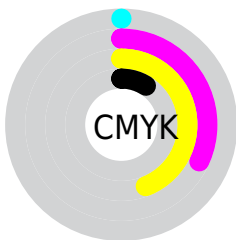
# Distribution



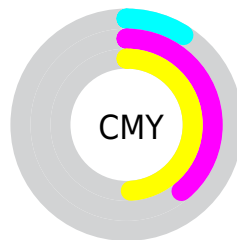
- Red (91%)
- Green (61%)
- Blue (51%)



- Red (91%)
- Yellow (65%)
- Blue (51%)



- Cyan (0%)
- Magenta (32%)
- Yellow (44%)
- Black (9%)




- Cyan (9%)
- Magenta (39%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8059, 42.3508, 26.3711 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 48.8059, 42.3508, 26.3711 by changing the saturation by 10% instead.





 48.8059, 42.3508,  
26.3711

 48.8059, 42.3508,  
26.3711


372.5073,  
355.9351, 298.2623

 34.6794, 29.3761,  
16.8732


 87.6056, 78.7303,  
54.8644

 23.5814, 19.3655,  
9.9831


 113.0095,  
102.9038, 74.6970

 15.1464, 11.9347,  
5.2823


 142.9032,  
131.5791, 98.8115

 9.0092, 6.6992,  
2.3522

177.6522,  
165.1405, 127.6265

 4.8044, 3.2747,  
0.7603

217.6217,  
203.9723, 161.5605

 2.1665, 1.2768,  
0.0000

263.1772,

 0.7250, 0.1231,

248.4592, 201.0321

0.0000

314.6840,  
298.9853, 246.4599

0.0000, 0.0000,  
0.0000

48.8059, 42.3508,  
26.3711

48.8059, 42.3508,  
26.3711

44.7871, 36.4990,  
18.2933

53.5724, 49.1426,  
36.4113

41.4728, 31.5387,  
12.0452

59.1205, 56.9078,  
48.5296

38.8197, 27.4261,  
7.4815

65.4856, 65.6856,  
62.8357

36.7781, 24.1108,  
4.4331

72.6999, 75.5113,  
79.4308

35.2895, 21.5366,  
2.6950

80.7940, 86.4183,  
98.4098

■ 34.6321, 20.3433,  
2.1013

■ 86.7649, 95.7289,  
108.5123

# Harmonies

## Analogous

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



52.3348, 42.3508, 37.7804



48.8059, 42.3508, 26.3711



43.1520, 42.3508, 21.0443

# Triad

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



48.8059, 42.3508, 26.3711



30.1303, 42.3508, 38.4686



43.4384, 42.3508, 85.5132

# Complementary

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



48.8059, 42.3508, 26.3711



45.0690, 53.6202, 83.5755

# 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.



37.4871, 42.3508, 85.8296



48.8059, 42.3508, 26.3711



30.1906, 42.3508, 55.5882

# Square

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



48.8059, 42.3508, 26.3711



32.5892, 42.3508, 26.7671



32.7630, 42.3508, 73.8462



49.0333, 42.3508, 73.0661



# Rectangle

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



48.8059, 42.3508, 26.3711



39.1237, 42.3508, 20.5420



32.7630, 42.3508, 73.8462



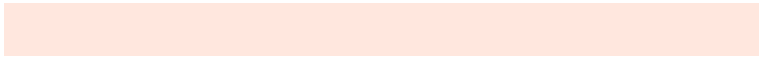
41.4042, 42.3508, 87.1287

# Sweetspot

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



48.8070, 42.3529, 26.3719



82.8762, 83.4689, 80.7449



51.8853, 37.1218, 62.5053



17.3358, 17.3134, 16.3656



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.



48.8070, 42.3529, 26.3719



56.4478, 46.2659, 23.6767



58.8687, 62.4763, 29.7258



14.6858, 14.9854, 15.0229



19.5019, 11.5780, 1.2069



1.5157, 1.0047, 0.1140

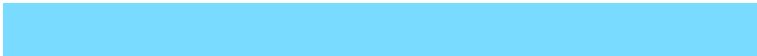


# Inverse Universe

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



45.0690, 53.6202, 83.5755



51.1635, 61.9794, 103.8744



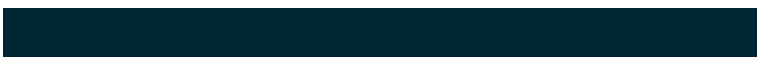
35.1157, 33.7137, 80.2578



14.4677, 15.6568, 18.4039



16.2349, 19.5320, 45.2975



1.2747, 1.5933, 3.3723



# Previews

## White Background



This preview shows how the XYZ color 48.8059, 42.3508, 26.3711 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 48.8059, 42.3508, 26.3711 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 48.8059, 42.3508, 26.3711**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.8059, 42.3508, 26.3711.



This preview shows how white text looks on a background with the XYZ color 48.8059, 42.3508,



# 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

48.8059, 42.3508, 26.3711

### Protanopia

39.9011, 42.5173, 29.7706

### Deuteranopia

43.3816, 42.4351, 25.9830



## Tritanopia

51.6092, 42.2700, 40.0892

# Trichromacy



## Original Color

48.8059, 42.3508, 26.3711

## Protanomaly

42.4789, 41.9152, 28.4058

## Deuteranomaly

45.3124, 42.3518, 26.2086

## Tritanomaly

50.5814, 42.3405, 34.7848

# Monochromacy



## Original Color

48.8059, 42.3508, 26.3711

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

42.6799, 42.0760, 38.2198

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.8059, 42.3508, 26.3711 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, 156, 129)` looks like.

```
.text, #text, p{  
    color:rgb(231, 156, 129)  
}
```

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, 156, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 156, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 48.8059, 42.3508, 26.3711 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, 156, 129) }
```



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

```
.border{ border-color:rgb(231, 156, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 156, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 156, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 156, 129);  
box-shadow:4px 4px 4px 4px rgb(231, 156,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.8059, 42.3508, 26.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 156, 129) }
```

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

```
.background{ background-color: rgb(231,  
156, 129) }
```

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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