

# Converting Colors

XYZ(49.0911, 46.4525, 27.8516)

Have a look what the booklet for  
XYZ(49.0911, 46.4525, 27.8516)  
contains.

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# **Color**

**XYZ(49.0911, 46.4525,  
27.8516)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFAB83
RGB	223, 171, 131
RGB Percent	87%, 67%, 51%
CMY	0.1255, 0.3294, 0.4863
CMYK	0.00, 0.23, 0.41, 0.13
HSL	26°, 59%, 69%
HSV	26°, 41%, 87%
XYZ	49.0911, 46.4525, 27.8516
YIQ	181.9880, 43.8320, -1.4160

# Conversions

## Conversions Part 2

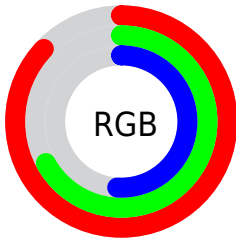
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 202, 131
Decimal	14658435
CIE <sub>Lab</sub>	73.84, 13.93, 27.94
CIE <sub>LCh</sub>	74, 31.217, 63.492
Yxy	46.4525, 0.3978, 0.3765
Android (android.graphics.Color)	4292848515 (0xFFDFAB83)
YUV	181.9880, -25.1371, 35.9675
Hunter-Lab	68.1561, 9.2959, 23.4807

# Details

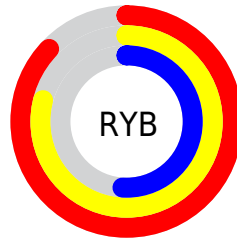
The XYZ color **49.0911, 46.4525, 27.8516** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **39.6122, 44.0184, 76.2206**, and the grayscale version is **44.5738, 46.8951, 51.0687**.

A 20% lighter version of the original color is **77.0881, 79.1134, 56.5548**, and **23.8079, 21.8947, 10.7559** is the 20% darker color. If you saturate the color by 10%, you get **45.4713, 41.3770, 19.9739**, and if you desaturate by 10%, it is **53.2655, 52.1166, 37.5199**.

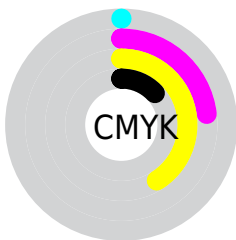
# Distribution



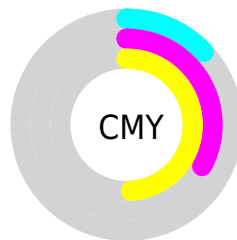
- Red (87%)
- Green (67%)
- Blue (51%)



- Red (87%)
- Yellow (79%)
- Blue (51%)



- Cyan (0%)
- Magenta (23%)
- Yellow (41%)
- Black (13%)




- Cyan (13%)
- Magenta (33%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0911, 46.4525, 27.8516 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 49.0911, 46.4525, 27.8516 by changing the saturation by 10% instead.





 49.0911, 46.4525,  
27.8516

 49.0911, 46.4525,  
27.8516


373.6119,  
372.6249, 305.6467


 34.9066, 32.6030,  
17.9758


 88.0267, 84.8958,  
57.2677

 23.7571, 21.8225,  
10.7633


 113.5084,  
110.2584, 77.6450

 15.2773, 13.7266,  
5.7958


 143.4866,  
140.2276, 102.3599

 9.1018, 7.9307,  
2.6545

178.3266,  
175.1876, 131.8309

 4.8653, 4.0507,  
0.9204

218.3938,  
215.5230, 166.4765

 2.2024, 1.7019,  
0.0000

264.0535,

 0.7440, 0.4249,

261.6181, 206.7153

0.0000

315.6711,  
313.8572, 252.9659

■ 0.0000, 0.0000,  
0.0000

■ 49.0911, 46.4525,  
27.8516

■ 49.0911, 46.4525,  
27.8516

■ 45.4713, 41.3770,  
19.9739

■ 53.2655, 52.1166,  
37.5199

■ 42.3754, 36.8623,  
13.7709

■ 58.0163, 58.3824,  
49.0791

■ 39.7742, 32.8881,  
9.1174

■ 63.3683, 65.2710,  
62.6253

■ 37.6338, 29.4298,  
5.8689

■ 69.3435, 72.8001,  
78.2473

■ 35.9148, 26.4597,  
3.8531

■ 75.9629, 80.9869,  
96.0283

■ 34.7032, 24.2315,  
2.8481

■ 81.6276, 89.2002,  
107.5229

■ 84.2414, 94.4280,  
108.3942

# Harmonies

## Analogous

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



53.6689, 46.4525, 35.5108



49.0911, 46.4525, 27.8516



43.5045, 46.4525, 25.7833

# Triad

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



49.0911, 46.4525, 27.8516



34.3281, 46.4525, 52.4645



50.3101, 46.4525, 80.6091

# Complementary

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



49.0911, 46.4525, 27.8516



39.6122, 44.0184, 76.2206

# 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.



44.8053, 46.4525, 87.6554



49.0911, 46.4525, 27.8516



35.8319, 46.4525, 69.4004

# Square

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



49.0911, 46.4525, 27.8516



35.2690, 46.4525, 38.1208



39.5553, 46.4525, 83.1773



54.4131, 46.4525, 65.4925



# Rectangle

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



49.0911, 46.4525, 27.8516



40.0306, 46.4525, 27.3971



39.5553, 46.4525, 83.1773



48.5464, 46.4525, 84.1286

# Sweetspot

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



49.0923, 46.4547, 27.8525



85.2379, 87.6415, 83.2298



47.1091, 35.3455, 49.2124



18.0319, 18.4875, 17.2702



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.



49.0923, 46.4547, 27.8525



62.0249, 56.6482, 27.9151



59.3068, 66.8838, 31.2574



14.1951, 14.6761, 14.3914



20.5129, 14.4636, 1.7106



1.5097, 1.1782, 0.1478

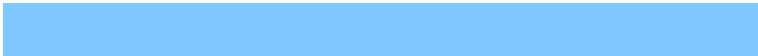


# Inverse Universe

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



39.6122, 44.0184, 76.2206



47.4292, 52.8748, 102.3138



31.6445, 28.0828, 73.5647



13.5916, 14.5223, 17.4744



12.3352, 12.1400, 42.7415



0.9436, 1.0186, 2.9921



# Previews

## White Background



This preview shows how the XYZ color 49.0911, 46.4525, 27.8516 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

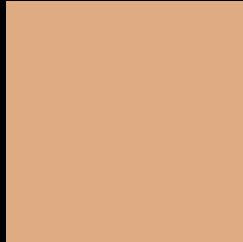
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.0911, 46.4525, 27.8516 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

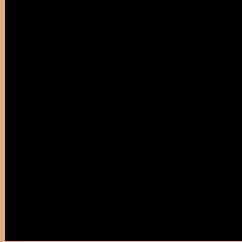
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.0911, 46.4525, 27.8516**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.0911, 46.4525, 27.8516.



This preview shows how white text looks on a background with the XYZ color 49.0911, 46.4525,



# 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

49.0911, 46.4525, 27.8516

### Protanopia

43.6776, 46.8356, 30.0307

### Deuteranopia

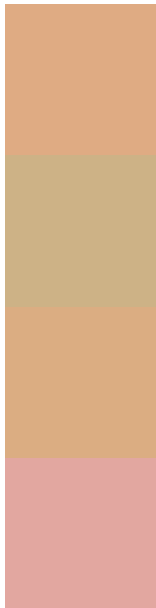
47.4842, 46.4827, 27.5885



## Tritanopia

53.0695, 46.4155, 47.7570

# Trichromacy



## Original Color

49.0911, 46.4525, 27.8516

## Protanomaly

45.4003, 46.5412, 29.1447

## Deuteranomaly

48.1863, 46.5589, 27.5662

## Tritanomaly

51.5279, 46.3442, 39.4872

# Monochromacy



## Original Color

49.0911, 46.4525, 27.8516

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

45.5572, 46.3554, 41.1967

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.0911, 46.4525, 27.8516 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(223, 171, 131)` looks like.

```
.text, #text, p{  
    color:rgb(223, 171, 131)  
}
```

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(223, 171, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 171, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 49.0911, 46.4525, 27.8516 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(223, 171, 131) }
```



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

```
.border{ border-color:rgb(223, 171, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 171, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 171, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 171, 131);  
box-shadow:4px 4px 4px 4px rgb(223, 171,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.0911, 46.4525, 27.8516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 171, 131) }
```

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

```
.background{ background-color: rgb(223,  
171, 131) }
```

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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