

# Converting Colors

XYZ(48.7392, 45.8107, 27.7870)

Have a look what the booklet for  
XYZ(48.7392, 45.8107, 27.7870)  
contains.

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# **Color**

**XYZ(48.7161, 45.7026,  
27.7266)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DFA983
RGB	223, 169, 131
RGB Percent	87%, 66%, 51%
CMY	0.1255, 0.3372, 0.4863
CMYK	0.00, 0.24, 0.41, 0.13
HSL	25°, 59%, 69%
HSV	25°, 41%, 87%
XYZ	48.7161, 45.7026, 27.7266
YIQ	180.8140, 44.3820, -0.3700

# Conversions

## Conversions Part 2

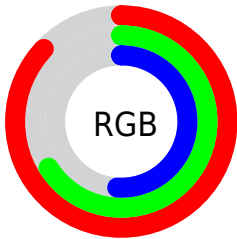
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 196, 131
Decimal	14657923
CIE <sub>Lab</sub>	73.35, 15.00, 27.29
CIE <sub>LCh</sub>	73, 31.141, 61.196
Yxy	45.7026, 0.3988, 0.3742
Android (android.graphics.Color)	4292848003 (0xFFDFA983)
YUV	180.8140, -24.5583, 36.9971
Hunter-Lab	67.6037, 10.3229, 23.0057

# Details

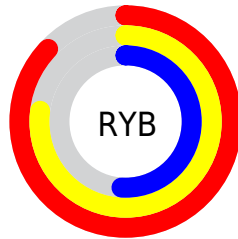
The XYZ color **48.7161, 45.7026, 27.7266** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.0276, 44.8492, 76.3590**, and the grayscale version is **43.9331, 46.2211, 50.3348**.

A 20% lighter version of the original color is **76.5474, 78.0320, 56.3746**, and **23.5724, 21.4237, 10.6774** is the 20% darker color. If you saturate the color by 10%, you get **45.0503, 40.5351, 19.8336**, and if you desaturate by 10%, it is **52.9532, 51.4921, 37.4158**.

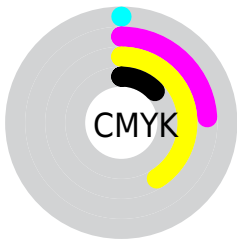
# Distribution



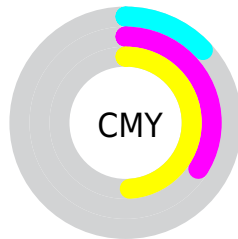
- Red (87%)
- Green (66%)
- Blue (51%)



- Red (87%)
- Yellow (77%)
- Blue (51%)



- Cyan (0%)
- Magenta (24%)
- Yellow (41%)
- Black (13%)




- Cyan (13%)
- Magenta (34%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7161, 45.7026, 27.7266 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 48.7161, 45.7026, 27.7266 by changing the saturation by 10% instead.





 48.7161, 45.7026,  
27.7266


 48.7161, 45.7026,  
27.7266


372.1591,  
369.6117, 305.0289


 34.6079, 32.0112,  
17.8824


 87.4729, 83.7737,  
57.0655

 23.5261, 21.3701,  
10.6970


 112.8523,  
108.9223, 77.3973

 15.1053, 13.3948,  
5.7519


 142.7194,  
138.6586, 102.0620

 8.9801, 7.7009,  
2.6285

177.4397,  
173.3672, 131.4783

 4.7852, 3.9042,  
0.9071

217.3784,  
213.4324, 166.0645

 2.1553, 1.6201,  
0.0000

262.9010,

 0.7190, 0.3711,

259.2386, 206.2394

0.0000

314.3728,  
311.1703, 252.4213

■ 0.0000, 0.0000,  
0.0000

■ 48.7161, 45.7026,  
27.7266

■ 48.7161, 45.7026,  
27.7266

■ 45.0503, 40.5351,  
19.8336

■ 52.9532, 51.4921,  
37.4158

■ 41.9243, 35.9602,  
13.6205

■ 57.7843, 57.9184,  
49.0017

■ 39.3080, 31.9560,  
8.9620

■ 63.2347, 65.0039,  
62.5807

■ 37.1668, 28.4958,  
5.7133

■ 69.3273, 72.7678,  
78.2418

■ 35.4600, 25.5502,  
3.7015

■ 76.0836, 81.2285,  
96.0684

■ 34.2690, 23.3632,  
2.7034

■ 81.9054, 89.7561,  
107.6155

■ 84.2414, 94.4279,  
108.3942

# Harmonies

## Analogous

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



53.0899, 45.7026, 35.7112



48.7161, 45.7026, 27.7266



43.2194, 45.7026, 25.2787

# Triad

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



48.7161, 45.7026, 27.7266



33.7331, 45.7026, 50.3949



49.1285, 45.7026, 80.2961

# Complementary

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



48.7161, 45.7026, 27.7266



40.0276, 44.8492, 76.3590

# 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.



43.6593, 45.7026, 86.4405



48.7161, 45.7026, 27.7266



35.0348, 45.7026, 67.0866

# Square

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



48.7161, 45.7026, 27.7266



34.8445, 45.7026, 36.5929



38.5574, 45.7026, 81.1658



53.3417, 45.7026, 65.7640



# Rectangle

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



48.7161, 45.7026, 27.7266



39.7395, 45.7026, 26.5965



38.5574, 45.7026, 81.1658



47.3611, 45.7026, 83.5332

# Sweetspot

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



48.7172, 45.7048, 27.7275



85.0449, 87.2556, 83.1654



47.4321, 35.4747, 50.9135



17.9866, 18.3968, 17.2551



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.



48.7172, 45.7048, 27.7275



61.4590, 55.5166, 27.7265



58.5242, 65.3186, 30.9965



14.1700, 14.6260, 14.3830



20.2551, 13.9480, 1.6247



1.4907, 1.1402, 0.1415

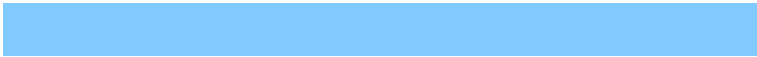


# Inverse Universe

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



40.0276, 44.8492, 76.3590



48.0751, 54.1666, 102.5291



32.0871, 28.9682, 73.7121



13.6172, 14.5735, 17.4829



12.7082, 12.8860, 42.8658



0.9685, 1.0684, 3.0004



# Previews

## White Background



This preview shows how the XYZ color 48.7161, 45.7026, 27.7266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

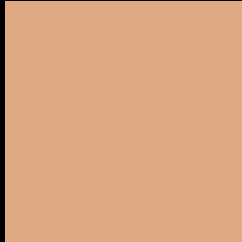
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7161, 45.7026, 27.7266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

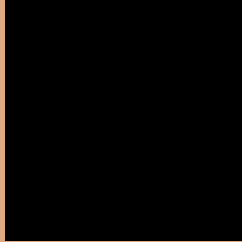
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.7161, 45.7026, 27.7266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.7161, 45.7026, 27.7266.



This preview shows how white text looks on a background with the XYZ color 48.7161, 45.7026,



# 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

48.7161, 45.7026, 27.7266

### Protanopia

42.7575, 45.7575, 29.8711

### Deuteranopia

46.7044, 45.7950, 27.4968



## Tritanopia

52.5136, 45.6204, 46.5953

# Trichromacy



## Original Color

48.7161, 45.7026, 27.7266

## Protanomaly

44.7302, 45.6093, 29.0002

## Deuteranomaly

47.3971, 45.8685, 27.4745

## Tritanomaly

51.0772, 45.5822, 38.9071

# Monochromacy



## Original Color

48.7161, 45.7026, 27.7266

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

45.0980, 45.8244, 41.1184

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7161, 45.7026, 27.7266 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, 169, 131)` looks like.

```
.text, #text, p{  
    color:rgb(223, 169, 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, 169, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 169, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7161, 45.7026, 27.7266 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, 169, 131) }
```



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

```
.border{ border-color:rgb(223, 169, 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, 169, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 169, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 169, 131);  
box-shadow:4px 4px 4px 4px rgb(223, 169,  
131) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7161, 45.7026, 27.7266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 169, 131) }
```

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

```
.background{ background-color: rgb(223,  
169, 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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