

# Converting Colors

XYZ(48.5013, 48.4983, 26.5435)

Have a look what the booklet for  
XYZ(48.5013, 48.4983, 26.5435)  
contains.

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# Color

**XYZ(48.5013, 48.4983,  
26.5435)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9B37E
RGB	217, 179, 126
RGB Percent	85%, 70%, 49%
CMY	0.1490, 0.2980, 0.5059
CMYK	0.00, 0.18, 0.42, 0.15
HSL	35°, 54%, 67%
HSV	35°, 42%, 85%
XYZ	48.5013, 48.4983, 26.5435
YIQ	184.3200, 39.6610, -8.4270

# Conversions

## Conversions Part 2

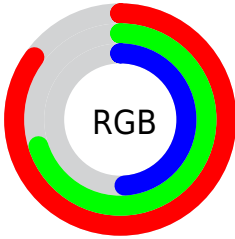
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 217, 126
Decimal	14267262
CIE Lab	75.14, 6.72, 32.20
CIE LCh	75, 32.889, 78.216
Yxy	48.4983, 0.3926, 0.3926
Android (android.graphics.Color)	4292457342 (0xFFD9B37E)
YUV	184.3200, -28.7518, 28.6604
Hunter-Lab	69.6407, 2.4451, 26.1502

# Details

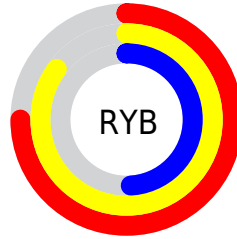
The XYZ color **48.5013, 48.4983, 26.5435** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.4036, 35.9950, 70.7801**, and the grayscale version is **45.8767, 48.2659, 52.5615**.

A 20% lighter version of the original color is **79.0850, 83.9313, 54.6800**, and **23.2626, 22.9171, 10.0348** is the 20% darker color. If you saturate the color by 10%, you get **45.4938, 44.4863, 19.3662**, and if you desaturate by 10%, it is **51.9343, 52.8751, 35.3621**.

# Distribution



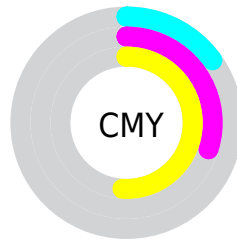
- Red (85%)
- Green (70%)
- Blue (49%)



- Red (75%)
- Yellow (85%)
- Blue (49%)



- Cyan (0%)
- Magenta (18%)
- Yellow (42%)
- Black (15%)




- Cyan (15%)
- Magenta (30%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.5013, 48.4983, 26.5435 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 48.5013, 48.4983, 26.5435 by changing the saturation by 10% instead.





 48.5013, 48.4983,  
26.5435


 48.5013, 48.4983,  
26.5435


371.3253,  
380.7639, 299.1299


 34.4369, 34.2217,  
17.0013


 87.1555, 87.9459,  
55.1453

 23.3940, 23.0639,  
10.0734


 112.4761,  
113.8856, 75.0419

 15.0070, 14.6407,  
5.3414

 142.2794,  
144.4818, 99.2270

 8.9106, 8.5676,  
2.3867

176.9309,  
180.1189, 128.1193

 4.7396, 4.4603,  
0.7792

216.7959,  
221.1812, 162.1371

 2.1285, 1.9342,  
0.0000

262.2397,

 0.7046, 0.5688,

268.0532, 201.6992

0.0000

313.6277,  
321.1193, 247.2239

■ 0.0000, 0.0000,  
0.0000

■ 48.5013, 48.4983,  
26.5435

■ 48.5013, 48.4983,  
26.5435

■ 45.4938, 44.4863,  
19.3662

■ 51.9343, 52.8751,  
35.3621

■ 42.8860, 40.8196,  
13.7219

■ 55.8094, 57.6213,  
45.9148

■ 40.6547, 37.4871,  
9.4940


■ 60.1467, 62.7504,  
58.2910


■ 38.7719, 34.4737,  
6.5476


■ 64.9638, 68.2726,  
72.5730


■ 37.2046, 31.7622,  
4.7210


■ 70.2771, 74.1978,  
88.8380

 36.1269, 29.7750,  
3.8431

 75.9084, 80.4580,  
106.1369

 78.5450, 85.7312,  
107.0157

 81.3153, 91.2717,  
107.9392

 82.4253, 93.4917,  
108.3092

# Harmonies

## Analogous

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



54.2492, 48.4983, 31.7396



48.5013, 48.4983, 26.5435



42.5708, 48.4983, 27.1569

# Triad

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



48.5013, 48.4983, 26.5435



35.9499, 48.4983, 63.8647



55.2796, 48.4983, 78.1252

# Complementary

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



48.5013, 48.4983, 26.5435



34.4036, 35.9950, 70.7801

# 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.



49.8110, 48.4983, 90.9800



48.5013, 48.4983, 26.5435



38.8039, 48.4983, 81.5910

# Square

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



48.5013, 48.4983, 26.5435



35.6658, 48.4983, 46.3201



43.7719, 48.4983, 92.3710



58.3844, 48.4983, 59.8716



# Rectangle

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



48.5013, 48.4983, 26.5435



39.2983, 48.4983, 30.8038



43.7719, 48.4983, 92.3710



53.6360, 48.4983, 83.3774

# Sweetspot

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



48.5025, 48.5006, 26.5445



85.9071, 89.5306, 81.7552



42.9075, 32.4063, 39.7985



18.0809, 18.8036, 16.6140



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.



48.5025, 48.5006, 26.5445



66.1689, 64.9363, 29.2964



55.4237, 64.9711, 29.3588



13.6829, 14.3052, 13.7656



21.9759, 18.2374, 2.3619



1.5081, 1.3503, 0.1812

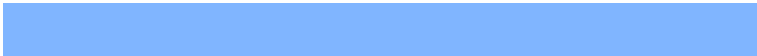


# Inverse Universe

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



34.4036, 35.9950, 70.7801



43.3471, 44.7105, 100.9531



29.5119, 24.8430, 68.8853



12.7832, 13.5061, 16.5853



9.9249, 7.7192, 40.7053



0.7268, 0.6678, 2.6650



# Previews

## White Background



This preview shows how the XYZ color 48.5013, 48.4983, 26.5435 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

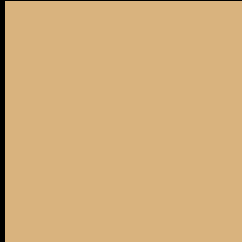
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.5013, 48.4983, 26.5435 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

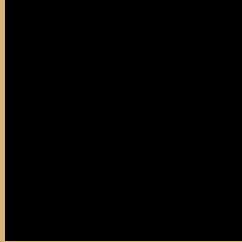
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 48.5013, 48.4983, 26.5435

## Background



This preview shows how black text looks on a background with the XYZ color 48.5013, 48.4983, 26.5435.



This preview shows how white text looks on a background with the XYZ color 48.5013, 48.4983,



# 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

48.5013, 48.4983, 26.5435

### Protanopia

45.1308, 48.5623, 27.7637

### Deuteranopia

49.3068, 48.3228, 26.4671



## Tritanopia

53.7513, 48.3166, 52.3920

# Trichromacy



## Original Color

48.5013, 48.4983, 26.5435

## Protanomaly

46.2834, 48.5473, 27.3532

## Deuteranomaly

49.2015, 48.5628, 26.5190

## Tritanomaly

51.6557, 48.3246, 41.7270

# Monochromacy



## Original Color

48.5013, 48.4983, 26.5435

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

46.1038, 47.8360, 41.4537

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.5013, 48.4983, 26.5435 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(217, 179, 126)` looks like.

```
.text, #text, p{  
    color:rgb(217, 179, 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(217, 179, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 179, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 48.5013, 48.4983, 26.5435 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(217, 179, 126) }
```



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

```
.border{ border-color:rgb(217, 179, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 179, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 179, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 179, 126);  
box-shadow:4px 4px 4px 4px rgb(217, 179,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.5013, 48.4983, 26.5435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 179, 126) }
```

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

```
.background{ background-color: rgb(217,  
179, 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](#).

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