

# Converting Colors

XYZ(48.2056, 47.8124, 23.8275)

Have a look what the booklet for  
XYZ(48.2056, 47.8124, 23.8275)  
contains.

<b>XYZ(48.2056, 47.8124, 23.8275)</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(48.2056, 47.8124,  
23.8275)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBB176
RGB	219, 177, 118
RGB Percent	86%, 69%, 46%
CMY	0.1412, 0.3059, 0.5372
CMYK	0.00, 0.19, 0.46, 0.14
HSL	35°, 58%, 66%
HSV	35°, 46%, 86%
XYZ	48.2056, 47.8124, 23.8275
YIQ	182.8320, 43.9710, -9.4450

# Conversions

## Conversions Part 2

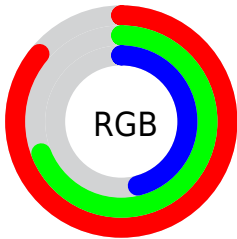
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>190, 219, 118</b>
Decimal	14397814
CIE Lab	74.71, 7.76, 35.87
CIE LCh	75, 36.698, 77.786
Yxy	47.8124, 0.4022, 0.3990
Android (android.graphics.Color)	4292587894 (0xFFDDBB176)
YUV	182.8320, -31.9622, 31.7193
Hunter-Lab	69.1465, 3.4352, 27.9716

# Details

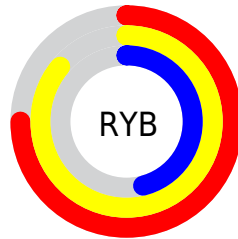
The XYZ color **48.2056, 47.8124, 23.8275** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.8277, 34.1063, 71.8707**, and the grayscale version is **45.0715, 47.4187, 51.6390**.

A 20% lighter version of the original color is **77.7296, 82.4781, 50.3512**, and **23.2773, 22.7660, 8.6363** is the 20% darker color. If you saturate the color by 10%, you get **45.3136, 43.8748, 17.1713**, and if you desaturate by 10%, it is **51.5222, 52.1155, 32.1167**.

# Distribution



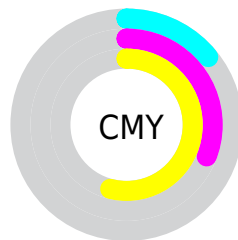
- Red (86%)
- Green (69%)
- Blue (46%)



- Red (75%)
- Yellow (86%)
- Blue (46%)



- Cyan (0%)
- Magenta (19%)
- Yellow (46%)
- Black (14%)




- Cyan (14%)
- Magenta (31%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2056, 47.8124, 23.8275 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 48.2056, 47.8124, 23.8275 by changing the saturation by 10% instead.





 48.2056, 47.8124,  
23.8275


 48.2056, 47.8124,  
23.8275


370.1755,  
378.0480, 285.2056


 34.2017, 33.6783,  
14.9947


 86.7183, 86.9250,  
50.6889

 23.2122, 22.6466,  
8.6691


 111.9577,  
112.6724, 69.5545

 14.8718, 14.3328,  
4.4321


 141.6731,  
143.0596, 92.6015

 8.8152, 8.3525,  
1.8653

176.2297,  
178.4712, 120.2484

 4.6770, 4.3213,  
0.4705

215.9929,  
219.2914, 152.9137

 2.0918, 1.8549,  
0.0000

261.3280,

 0.6848, 0.5210,

265.9047, 191.0160

0.0000

312.6004,  
318.6954, 234.9738

■ 0.0000, 0.0000,  
0.0000

■ 48.2056, 47.8124,  
23.8275

■ 48.2056, 47.8124,  
23.8275

■ 45.3136, 43.8748,  
17.1713

■ 51.5222, 52.1155,  
32.1167

■ 42.8190, 40.2827,  
12.0328

■ 55.2812, 56.7893,  
42.1379

■ 40.6967, 37.0241,  
8.2860


■ 59.5036, 61.8478,  
53.9852


■ 38.9163, 34.0827,  
5.7829


■ 64.2079, 67.3015,  
67.7455


■ 37.4404, 31.4397,  
4.3393


■ 69.4114, 73.1609,  
83.4997

 36.9250, 30.4832,  
3.9377

 75.1305, 79.4358,  
101.3241

 78.6436, 85.0406,  
106.8773

 81.4031, 90.5594,  
107.7971

 83.0234, 93.8000,  
108.3372

# Harmonies

## Analogous

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



54.5959, 47.8124, 29.3602



48.2056, 47.8124, 23.8275



41.6463, 47.8124, 24.3794

# Triad

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



48.2056, 47.8124, 23.8275



34.3159, 47.8124, 64.0761



55.5961, 47.8124, 80.7701

# Complementary

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



48.2056, 47.8124, 23.8275



32.8277, 34.1063, 71.8707

# 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.



49.4663, 47.8124, 95.3346



48.2056, 47.8124, 23.8275



37.3771, 47.8124, 84.1939

# Square

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



48.2056, 47.8124, 23.8275



34.0496, 47.8124, 44.6848



42.7904, 47.8124, 96.7216



59.1337, 47.8124, 60.2042



# Rectangle

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



48.2056, 47.8124, 23.8275



38.0458, 47.8124, 28.1354



42.7904, 47.8124, 96.7216



53.7445, 47.8124, 86.7263

# Sweetspot

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



48.2068, 47.8147, 23.8285



85.2718, 88.8025, 79.8714



42.0445, 30.5583, 36.9787



17.9555, 18.6595, 16.2433



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.



48.2068, 47.8147, 23.8285



64.2150, 62.2819, 24.7814



55.3463, 65.7584, 26.9157



13.6849, 14.3091, 13.7662



22.0052, 18.2960, 2.3717



1.5099, 1.3539, 0.1818

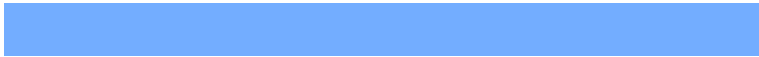


# Inverse Universe

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



32.8277, 34.1063, 71.8707



40.0433, 40.7598, 100.3647



27.9308, 22.5392, 69.8961



12.7813, 13.5023, 16.5847



9.9053, 7.6800, 40.6987



0.7255, 0.6651, 2.6646



# Previews

## White Background



This preview shows how the XYZ color 48.2056, 47.8124, 23.8275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

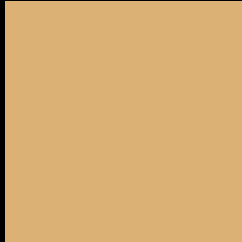
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.2056, 47.8124, 23.8275 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

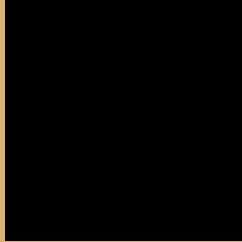
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.2056, 47.8124, 23.8275**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.2056, 47.8124, 23.8275.



This preview shows how white text looks on a background with the XYZ color 48.2056, 47.8124,

23.8275.

# 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

48.2056, 47.8124, 23.8275

### Protanopia

44.4111, 47.9408, 25.0019

### Deuteranopia

48.9195, 47.8883, 23.8046



## Tritanopia

53.6828, 47.7609, 50.6454

# Trichromacy



## Original Color

48.2056, 47.8124, 23.8275

## Protanomaly

45.6462, 47.6692, 24.5646

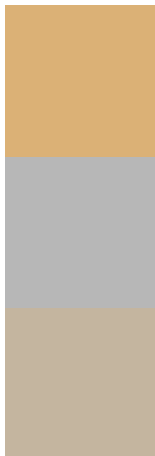
## Deuteranomaly

48.6141, 47.7308, 23.7903

## Tritanomaly

51.4420, 47.6962, 39.2959

# Monochromacy



## Original Color

48.2056, 47.8124, 23.8275

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.5468, 47.2867, 39.5276

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.2056, 47.8124, 23.8275 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(219, 177, 118)` looks like.

```
.text, #text, p{  
    color:rgb(219, 177, 118)  
}
```

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(219, 177, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 177, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 48.2056, 47.8124, 23.8275 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(219, 177, 118) }
```



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

```
.border{ border-color:rgb(219, 177, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 177, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 177, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 177, 118);  
box-shadow:4px 4px 4px 4px rgb(219, 177,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.2056, 47.8124, 23.8275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 177, 118) }
```

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

```
.background{ background-color: rgb(219,  
177, 118) }
```

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