

# Converting Colors

XYZ(48.3993, 48.2037, 23.8893)

Have a look what the booklet for  
XYZ(48.3993, 48.2037, 23.8893)  
contains.

<b>XYZ(48.4038, 48.2089, 23.8936)</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(48.4038, 48.2089,  
23.8936)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DBB276
RGB	219, 178, 118
RGB Percent	86%, 70%, 46%
CMY	0.1412, 0.3019, 0.5372
CMYK	0.00, 0.19, 0.46, 0.14
HSL	36°, 58%, 66%
HSV	36°, 46%, 86%
XYZ	48.4038, 48.2089, 23.8936
YIQ	183.4190, 43.6960, -9.9680

# Conversions

## Conversions Part 2

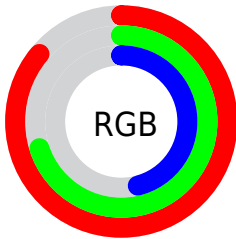
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 219, 118
Decimal	14398070
CIELab	74.96, 7.23, 36.19
CIElCh	75, 36.903, 78.699
Yxy	48.2089, 0.4017, 0.4001
Android (android.graphics.Color)	4292588150 (0xFFDDBB276)
YUV	183.4190, -32.2516, 31.2045
Hunter-Lab	69.4326, 2.9312, 28.1996

# Details

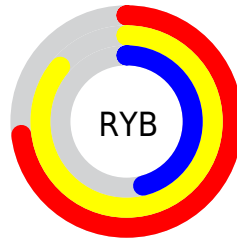
The XYZ color **48.4038, 48.2089, 23.8936** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **32.6549, 33.7609, 71.8130**, and the grayscale version is **45.3959, 47.7600, 52.0106**.

A 20% lighter version of the original color is **78.0135, 83.0459, 50.4458**, and **23.4045, 23.0204, 8.6787** is the 20% darker color. If you saturate the color by 10%, you get **45.5390, 44.3259, 17.2465**, and if you desaturate by 10%, it is **51.6877, 52.4466, 32.1719**.

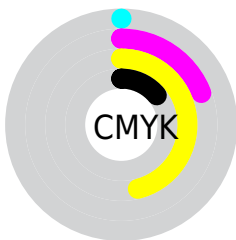
# Distribution



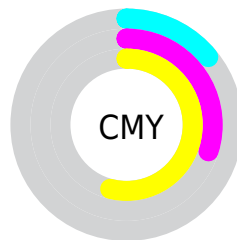
- Red (86%)
- Green (70%)
- Blue (46%)



- Red (73%)
- Yellow (86%)
- Blue (46%)



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




- Cyan (14%)
- Magenta (30%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4038, 48.2089, 23.8936 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 48.4038, 48.2089, 23.8936 by changing the saturation by 10% instead.





 48.4038, 48.2089,  
23.8936


 48.4038, 48.2089,  
23.8936


370.9465,  
379.6196, 285.5513


 34.3594, 33.9923,  
15.0432


 87.0114, 87.5154,  
50.7982

 23.3340, 22.8877,  
8.7028

 112.3052,  
113.3740, 69.6895

 14.9624, 14.5106,  
4.4537


 142.0796,  
143.8822, 92.7648

 8.8791, 8.4767,  
1.8774

176.6998,  
179.4243, 120.4428

 4.7189, 4.4014,  
0.4783

216.5313,  
220.3847, 153.1418

 2.1163, 1.9006,  
0.0000

261.9393,

 0.6981, 0.5487,

267.1478, 191.2806

0.0000

313.2892,  
320.0979, 235.2776

■ 0.0000, 0.0000,  
0.0000

■ 48.4038, 48.2089,  
23.8936

■ 48.4038, 48.2089,  
23.8936

■ 45.5390, 44.3259,  
17.2465

■ 51.6877, 52.4466,  
32.1719

■ 43.0665, 40.7779,  
12.1154

■ 55.4084, 57.0439,  
42.1803

■ 40.9612, 37.5532,  
8.3742


■ 59.5869, 62.0144,  
54.0130


■ 39.1929, 34.6361,  
5.8751

■ 64.2413, 67.3684,  
67.7566


■ 37.7245, 32.0078,  
4.4340


■ 69.3889, 73.1160,  
83.4921

 37.2106, 31.0547,  
4.0329

 75.0459, 79.2666,  
101.2959

 78.4906, 84.7347,  
106.8263

 81.1752, 90.1038,  
107.7211

 83.0233, 93.8000,  
108.3372

# Harmonies

## Analogous

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



54.9026, 48.2089, 29.2841



48.4038, 48.2089, 23.8936



41.7969, 48.2089, 24.6333

# Triad

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



48.4038, 48.2089, 23.8936



34.6253, 48.2089, 65.2901



56.2451, 48.2089, 80.9445

# Complementary

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



48.4038, 48.2089, 23.8936



32.6549, 33.7609, 71.8130

# 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.



50.0957, 48.2089, 95.9968



48.4038, 48.2089, 23.8936



37.8007, 48.2089, 85.5413

# Square

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



48.4038, 48.2089, 23.8936



34.2681, 48.2089, 45.5592



43.3320, 48.2089, 97.8593



59.7164, 48.2089, 60.0932



# Rectangle

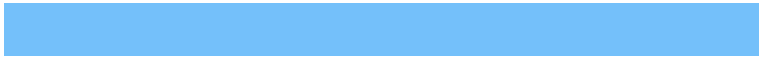
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.4038, 48.2089, 23.8936



38.1981, 48.2089, 28.5570



43.3320, 48.2089, 97.8593



54.3963, 48.2089, 87.0482

# Sweetspot

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



48.4050, 48.2112, 23.8946



85.3761, 89.0111, 79.9061



42.0445, 30.5583, 36.9787



17.9809, 18.7104, 16.2518



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.



48.4050, 48.2112, 23.8946



64.5312, 62.9142, 24.8868



55.3462, 65.7583, 26.9157



13.6960, 14.3313, 13.7699



22.1743, 18.6342, 2.4280



1.5204, 1.3748, 0.1852

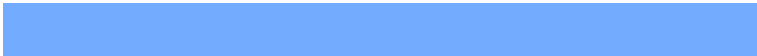


# Inverse Universe

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



32.6549, 33.7609, 71.8130



39.7783, 40.2296, 100.2763



27.9308, 22.5392, 69.8959



12.7704, 13.4806, 16.5811



9.7957, 7.4608, 40.6622



0.7178, 0.6498, 2.6620



# Previews

## White Background



This preview shows how the XYZ color 48.4038, 48.2089, 23.8936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

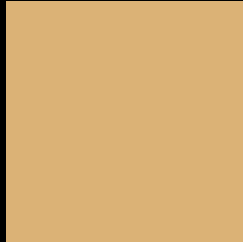
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.4038, 48.2089, 23.8936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

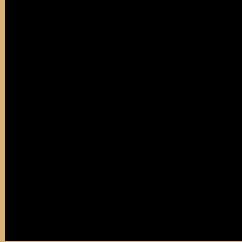
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.4038, 48.2089, 23.8936**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4038, 48.2089, 23.8936.



This preview shows how white text looks on a background with the XYZ color 48.4038, 48.2089,

23.8936.

# 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

48.4038, 48.2089, 23.8936

### Protanopia

44.8875, 48.4959, 25.0840

### Deuteranopia

49.4236, 48.4403, 23.8845



## Tritanopia

53.9733, 48.1759, 51.2539

# Trichromacy



## Original Color

48.4038, 48.2089, 23.8936

## Protanomaly

46.1305, 48.2219, 24.6457

## Deuteranomaly

49.1164, 48.2819, 23.8702

## Tritanomaly

51.6330, 48.0783, 39.3596

# Monochromacy



## Original Color

48.4038, 48.2089, 23.8936

## 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 48.4038, 48.2089, 23.8936 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, 178, 118)` looks like.

```
.text, #text, p{  
    color:rgb(219, 178, 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, 178, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 178, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4038, 48.2089, 23.8936 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, 178, 118) }
```



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

```
.border{ border-color:rgb(219, 178, 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, 178, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 178, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 178, 118);  
box-shadow:4px 4px 4px 4px rgb(219, 178,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4038, 48.2089, 23.8936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 178, 118) }
```

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

```
.background{ background-color: rgb(219,  
178, 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](#).

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