

# Converting Colors

XYZ(45.8835, 42.1780, 29.1550)

Have a look what the booklet for  
XYZ(45.8835, 42.1780, 29.1550)  
contains.

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# Color

**XYZ(45.8041, 42.0190,  
28.9889)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9A188
RGB	217, 161, 136
RGB Percent	85%, 63%, 53%
CMY	0.1490, 0.3686, 0.4667
CMYK	0.00, 0.26, 0.37, 0.15
HSL	19°, 52%, 69%
HSV	19°, 37%, 85%
XYZ	45.8041, 42.0190, 28.9889
YIQ	174.8940, 41.4010, 4.0970

# Conversions

## Conversions Part 2

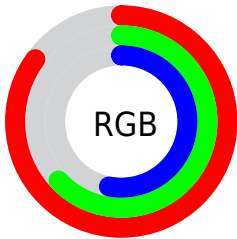
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	217, 172, 136
Decimal	14262664
CIE Lab	70.88, 17.51, 21.14
CIE LCh	71, 27.445, 50.369
Yxy	42.0190, 0.3921, 0.3597
Android (android.graphics.Color)	4292452744 (0xFFD9A188)
YUV	174.8940, -19.1747, 36.9270
Hunter-Lab	64.8221, 12.6918, 18.8605

# Details

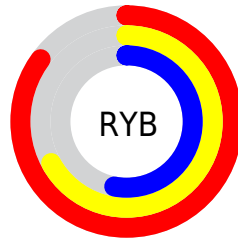
The XYZ color **45.8041, 42.0190, 28.9889** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **41.5268, 47.9417, 72.7107**, and the grayscale version is **40.7747, 42.8981, 46.7161**.

A 20% lighter version of the original color is **74.9812, 74.0459, 58.4845**, and **21.6456, 19.0827, 11.3466** is the 20% darker color. If you saturate the color by 10%, you get **41.9493, 36.5326, 20.8502**, and if you desaturate by 10%, it is **50.2879, 48.2634, 38.8785**.

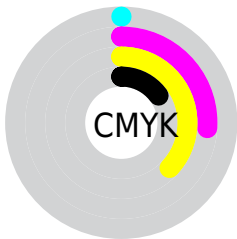
# Distribution



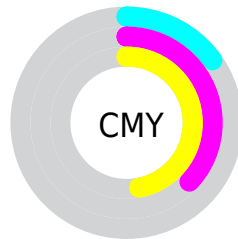
- Red (85%)
- Green (63%)
- Blue (53%)



- Red (85%)
- Yellow (67%)
- Blue (53%)



- Cyan (0%)
- Magenta (26%)
- Yellow (37%)
- Black (15%)




- Cyan (15%)
- Magenta (37%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8041, 42.0190, 28.9889 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 45.8041, 42.0190, 28.9889 by changing the saturation by 10% instead.




 45.8041, 42.0190,  
28.9889

 45.8041, 42.0190,  
28.9889


360.7497,  
354.5617, 311.2219


 32.2952, 29.1162,  
18.8269


 83.1554, 78.2284,  
59.1014

 21.7437, 19.1687,  
11.3697

 107.7285,  
102.3037, 79.8890

 13.7843, 11.7923,  
6.1988


 136.7205,  
130.8720, 105.0556

 8.0515, 6.6024,  
2.8956

170.4966,  
164.3177, 135.0197

 4.1800, 3.2147,  
1.0416

209.4222,  
203.0251, 170.1998

 1.8045, 1.2448,  
0.0000

253.8627,

 0.5204, 0.0979,

247.3786, 211.0146

0.0000

304.1834,  
297.7627, 257.8824

■ 0.0000, 0.0000,  
0.0000

■ 45.8041, 42.0190,  
28.9889

■ 45.8041, 42.0190,  
28.9889

■ 41.9493, 36.5326,  
20.8502

■ 50.2879, 48.2634,  
38.8785

■ 38.6902, 31.7684,  
14.3563

■ 55.4252, 55.2878,  
50.6114

■ 35.9951, 27.6966,  
9.3935

■ 61.2434, 63.1207,  
64.2766

■ 33.8277, 24.2826,  
5.8322

■ 67.7671, 71.7873,  
79.9564

■ 32.1467, 21.4886,  
3.5210

■ 75.0196, 81.3117,  
97.7285

■ 30.9002, 19.2706,  
2.2576

■ 81.1666, 90.9743,  
107.8896

■ 30.6217, 18.7645,  
2.0080

■ 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.



48.7475, 42.0190, 37.5453



45.8041, 42.0190, 28.9889



41.4248, 42.0190, 25.1682

# Triad

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



45.8041, 42.0190, 28.9889



31.8916, 42.0190, 41.6722



43.0725, 42.0190, 73.6060

# Complementary

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



45.8041, 42.0190, 28.9889



41.5268, 47.9417, 72.7107

# 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.



38.4868, 42.0190, 75.2910



45.8041, 42.0190, 28.9889



32.2591, 42.0190, 55.0741

# Square

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



45.8041, 42.0190, 28.9889



33.5500, 42.0190, 31.5136



34.5951, 42.0190, 67.9796



47.0890, 42.0190, 63.7381



# Rectangle

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



45.8041, 42.0190, 28.9889



38.3782, 42.0190, 25.2060



34.5951, 42.0190, 67.9796



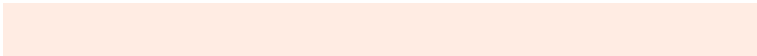
41.5391, 42.0190, 75.2126

# Sweetspot

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



45.8052, 42.0210, 28.9897



84.9812, 86.5693, 84.8674



47.0119, 36.1974, 54.7861



17.9424, 18.1969, 17.5840



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.



45.8052, 42.0210, 28.9897



61.4534, 54.0834, 32.1079



53.8995, 58.2096, 31.6878



13.3823, 13.7039, 13.6654



18.6195, 11.5245, 1.2431



1.2815, 0.8972, 0.1056

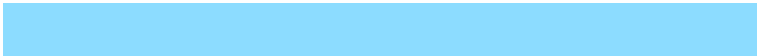


# Inverse Universe

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



41.5268, 47.9417, 72.7107



54.3897, 63.7818, 104.0522



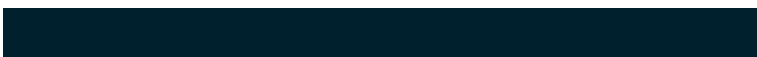
33.9389, 32.7659, 70.1814



13.0881, 14.1159, 16.6870



14.2827, 16.4348, 42.1579



1.0005, 1.2151, 2.7562



# Previews

## White Background



This preview shows how the XYZ color 45.8041, 42.0190, 28.9889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

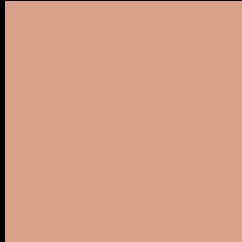
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.8041, 42.0190, 28.9889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

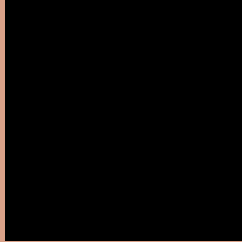
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.8041, 42.0190, 28.9889**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8041, 42.0190, 28.9889.



This preview shows how white text looks on a background with the XYZ color 45.8041, 42.0190,



# 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

45.8041, 42.0190, 28.9889

### Protanopia

39.5932, 42.0305, 31.6171

### Deuteranopia

43.0937, 42.2241, 28.8004



## Tritanopia

48.4716, 41.8197, 42.5631

# Trichromacy



## Original Color

45.8041, 42.0190, 28.9889

## Protanomaly

41.6865, 42.0051, 30.7216

## Deuteranomaly

44.1228, 42.2148, 28.7444

## Tritanomaly

47.4410, 41.9141, 37.0423

# Monochromacy



## Original Color

45.8041, 42.0190, 28.9889

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

42.0430, 42.2698, 39.6612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8041, 42.0190, 28.9889 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, 161, 136)` looks like.

```
.text, #text, p{  
    color:rgb(217, 161, 136)  
}
```

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, 161, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 161, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8041, 42.0190, 28.9889 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, 161, 136) }
```



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

```
.border{ border-color:rgb(217, 161, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 161, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 161, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 161, 136);  
box-shadow:4px 4px 4px 4px rgb(217, 161,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8041, 42.0190, 28.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 161, 136) }
```

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

```
.background{ background-color: rgb(217,  
161, 136) }
```

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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