

# Converting Colors

XYZ(44.8816, 43.6759, 29.1723)

Have a look what the booklet for  
XYZ(44.8816, 43.6759, 29.1723)  
contains.

<b>XYZ(44.9264, 43.7088, 29.3613)</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(44.9264, 43.7088,  
29.3613)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D1A988
RGB	209, 169, 136
RGB Percent	82%, 66%, 53%
CMY	0.1804, 0.3372, 0.4667
CMYK	0.00, 0.19, 0.35, 0.18
HSL	27°, 44%, 68%
HSV	27°, 35%, 82%
XYZ	44.9264, 43.7088, 29.3613
YIQ	177.1980, 34.4330, -1.7830

# Conversions

## Conversions Part 2

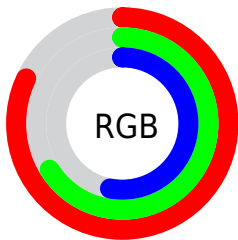
Format	Color
R <sub>Y</sub> B	209, 196, 136
Decimal	13740424
CIE Lab	72.03, 10.03, 22.57
CIE LCh	72, 24.699, 66.038
Yxy	43.7088, 0.3807, 0.3704
Android (android.graphics.Color)	4291930504 (0xFFD1A988)
YUV	177.1980, -20.3106, 27.8904
Hunter-Lab	66.1126, 5.6014, 19.9475

# Details

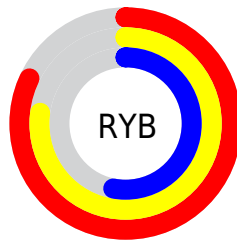
The XYZ color **44.9264, 43.7088, 29.3613** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.1868, 40.8870, 66.2537**, and the grayscale version is **41.9857, 44.1722, 48.1035**.

A 20% lighter version of the original color is **77.0810, 78.2454, 59.1844**, and **21.1779, 20.1668, 11.5805** is the 20% darker color. If you saturate the color by 10%, you get **41.5459, 39.0975, 21.6071**, and if you desaturate by 10%, it is **48.7854, 48.8133, 38.7048**.

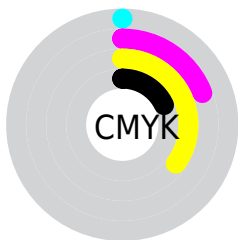
# Distribution



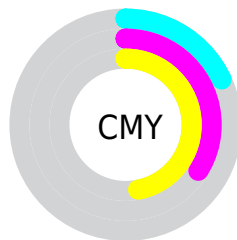
- Red (82%)
- Green (66%)
- Blue (53%)



- Red (82%)
- Yellow (77%)
- Blue (53%)



- Cyan (0%)
- Magenta (19%)
- Yellow (35%)
- Black (18%)




- Cyan (18%)
- Magenta (34%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9264, 43.7088, 29.3613 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 44.9264, 43.7088, 29.3613 by changing the saturation by 10% instead.





 44.9264, 43.7088,  
29.3613


 44.9264, 43.7088,  
29.3613


357.2641,  
361.5186, 313.0300


 31.6005, 30.4416,  
19.1064


 81.8477, 80.7794,  
59.6996

 21.2106, 20.1741,  
11.5696

 106.1738,  
105.3516, 80.6202

 13.3914, 12.5216,  
6.3324


 134.8973,  
134.4609, 105.9329

 7.7774, 7.1000,  
2.9762

168.3837,  
168.4918, 136.0566

 4.0035, 3.5247,  
1.0825

206.9982,  
207.8287, 171.4095

 1.7041, 1.4114,  
0.0000

251.1062,

 0.4588, 0.2251,

252.8558, 212.4104

0.0000

301.0730,  
303.9577, 259.4777

■ 0.0000, 0.0000,  
0.0000

■ 44.9264, 43.7088,  
29.3613

■ 44.9264, 43.7088,  
29.3613

■ 41.5459, 39.0975,  
21.6071

■ 48.7854, 48.8133,  
38.7048

■ 38.6188, 34.9569,  
15.3490

■ 53.1397, 54.4201,  
49.7184

■ 36.1228, 31.2716,  
10.4880

■ 58.0092, 60.5460,  
62.4804

■ 34.0315, 28.0230,  
6.9117

■ 63.4118, 67.2049,  
77.0634

■ 32.3153, 25.1905,  
4.4903

■ 69.3642, 74.4103,  
93.5360

■ 30.9387, 22.7507,  
3.0653

■ 74.8347, 81.7557,  
106.4440

■ 30.3411, 21.6486,  
2.5794

■ 78.2700, 88.6262,  
107.5890

■ 80.1045, 92.2953,  
108.2006

# Harmonies

## Analogous

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



48.4550, 43.7088, 35.1897



44.9264, 43.7088, 29.3613



40.6964, 43.7088, 28.0244

# Triad

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



44.9264, 43.7088, 29.3613



33.9875, 43.7088, 50.0774



46.5017, 43.7088, 68.9587

# Complementary

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



44.9264, 43.7088, 29.3613



37.1868, 40.8870, 66.2537

# 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.



42.4031, 43.7088, 74.6360



44.9264, 43.7088, 29.3613



35.3233, 43.7088, 62.6103

# Square

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



44.9264, 43.7088, 29.3613



34.5630, 43.7088, 38.7657



38.3356, 43.7088, 72.1357



49.4067, 43.7088, 57.6644



# Rectangle

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



44.9264, 43.7088, 29.3613



38.0836, 43.7088, 29.6199



38.3356, 43.7088, 72.1357



45.2077, 43.7088, 71.6672

# Sweetspot

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



44.9275, 43.7108, 29.3622



86.9167, 89.8728, 87.2615



42.9503, 34.3046, 45.5103



18.3736, 18.9464, 18.0763



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.



44.9275, 43.7108, 29.3622



66.3899, 63.0200, 36.6404



52.6538, 59.1633, 31.9376



12.2426, 12.6759, 12.4135



18.8031, 13.5392, 1.6223



1.1301, 0.9145, 0.1170

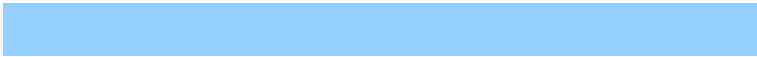


# Inverse Universe

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



37.1868, 40.8870, 66.2537



52.4555, 57.9282, 103.0243



30.9894, 28.4923, 64.1879



11.6928, 12.4758, 15.0355



10.9411, 10.5289, 38.6481



0.6905, 0.7461, 2.1872



# Previews

## White Background



This preview shows how the XYZ color 44.9264, 43.7088, 29.3613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

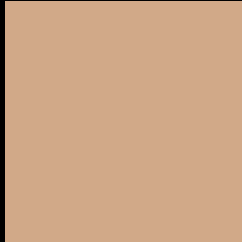
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9264, 43.7088, 29.3613 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

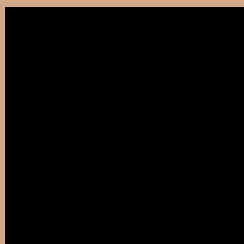
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.9264, 43.7088, 29.3613**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9264, 43.7088, 29.3613.



This preview shows how white text looks on a background with the XYZ color 44.9264, 43.7088,



# 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

44.9264, 43.7088, 29.3613

### Protanopia

40.9246, 43.6061, 30.6860

### Deuteranopia

44.8311, 43.9369, 29.4104



## Tritanopia

48.3742, 43.4751, 46.9162

# Trichromacy



## Original Color

44.9264, 43.7088, 29.3613

## Protanomaly

42.2960, 43.4579, 30.2037

## Deuteranomaly

44.8311, 43.9369, 29.4104

## Tritanomaly

47.0395, 43.4805, 39.6315

# Monochromacy



## Original Color

44.9264, 43.7088, 29.3613

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

42.6439, 43.6996, 40.3697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9264, 43.7088, 29.3613 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(209, 169, 136)` looks like.

```
.text, #text, p{  
    color:rgb(209, 169, 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(209, 169, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 169, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9264, 43.7088, 29.3613 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(209, 169, 136) }
```



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

```
.border{ border-color:rgb(209, 169, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 169, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 169, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 169, 136);  
box-shadow:4px 4px 4px 4px rgb(209, 169,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9264, 43.7088, 29.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 169, 136) }
```

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

```
.background{ background-color: rgb(209,  
169, 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](#).

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