

# Converting Colors

XYZ(44.6742, 39.8362, 32.3886)

Have a look what the booklet for  
XYZ(44.6742, 39.8362, 32.3886)  
contains.

<b>XYZ(44.6412, 39.8142, 32.5262)</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(44.6412, 39.8142,  
32.5262)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D69B92
RGB	214, 155, 146
RGB Percent	84%, 61%, 57%
CMY	0.1608, 0.3921, 0.4274
CMYK	0.00, 0.28, 0.32, 0.16
HSL	8°, 45%, 71%
HSV	8°, 32%, 84%
XYZ	44.6412, 39.8142, 32.5262
YIQ	171.6150, 38.0530, 9.7090

# Conversions

## Conversions Part 2

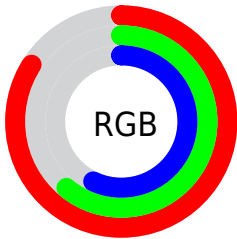
Format	Color
R <sub>Y</sub> B	214, 156, 146
Decimal	14064530
CIE Lab	69.34, 20.83, 13.44
CIE LCh	69, 24.785, 32.826
Yxy	39.8142, 0.3816, 0.3403
Android (android.graphics.Color)	4292254610 (0xFFD69B92)
YUV	171.6150, -12.6282, 37.1716
Hunter-Lab	63.0985, 15.8636, 13.6060

# Details

The XYZ color **44.6412, 39.8142, 32.5262** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.8221, 54.6267, 71.7473**, and the grayscale version is **39.0674, 41.1019, 44.7600**.

A 20% lighter version of the original color is **74.7119, 71.5233, 64.5112**, and **21.0621, 17.8141, 13.3947** is the 20% darker color. If you saturate the color by 10%, you get **40.2740, 33.4990, 23.6120**, and if you desaturate by 10%, it is **49.7972, 47.2080, 43.2414**.

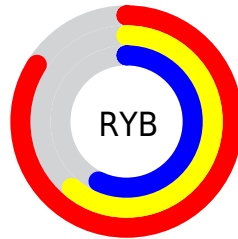
# Distribution



Red (84%)

Green (61%)

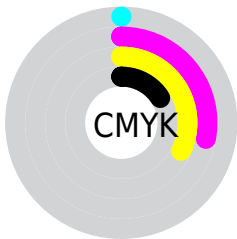
Blue (57%)



Red (84%)

Yellow (61%)

Blue (57%)

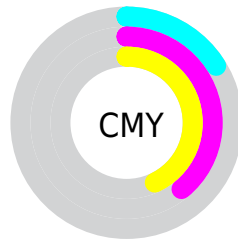


Cyan (0%)

Magenta (28%)

Yellow (32%)

Black (16%)



Cyan (16%)

Magenta (39%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6412, 39.8142, 32.5262 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 44.6412, 39.8142, 32.5262 by changing the saturation by 10% instead.




 44.6412, 39.8142,  
32.5262


 44.6412, 39.8142,  
32.5262


356.1267,  
345.3398, 328.0756

 31.3750, 27.3937,  
21.4956


 81.4221, 74.8805,  
64.7426

 21.0378, 17.8691,  
13.2920


 105.6675, 98.2951,  
86.7654

 13.2642, 10.8561,  
7.4968


134.3034,  
126.1432, 113.2894

 7.6890, 5.9701,  
3.6916

167.6950,  
158.8092, 144.7331

 3.9467, 2.8269,  
1.4577

206.2078,  
196.6774, 181.5150

 1.6720, 1.0421,  
0.1861

250.2071,

 0.4387, 0.0000,

240.1324, 224.0537

0.0000

300.0583,  
289.5584, 272.7677

0.0000, 0.0000,  
0.0000

44.6412, 39.8142,  
32.5262

44.6412, 39.8142,  
32.5262

40.2740, 33.4990,  
23.6120

49.7972, 47.2080,  
43.2414

36.6534, 28.2065,  
16.3975

55.7753, 55.7216,  
55.8467

33.7380, 23.8843,  
10.7750

62.6104, 65.4010,  
70.4280

31.4810, 20.4731,  
6.6232

70.3347, 76.2881,  
87.0653

29.8299, 17.9069,  
3.8037

78.9786, 88.4225,  
105.8342

■ 28.7237, 16.1109,  
2.1511

■ 81.5416, 93.0361,  
108.2678

■ 28.1549, 15.1428,  
1.4389

# Harmonies

## Analogous

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



46.0083, 39.8142, 42.2796



44.6412, 39.8142, 32.5262



41.4443, 39.8142, 26.6358

# Triad

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



44.6412, 39.8142, 32.5262



31.4367, 39.8142, 34.0957



38.2206, 39.8142, 69.1203

# Complementary

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



44.6412, 39.8142, 32.5262



45.8221, 54.6267, 71.7473

# 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.



34.4551, 39.8142, 65.9076



44.6412, 39.8142, 32.5262



30.7045, 39.8142, 44.4401

# Square

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



44.6412, 39.8142, 32.5262



33.8450, 39.8142, 27.4242



31.7712, 39.8142, 56.3446



42.1423, 39.8142, 64.4896



# Rectangle

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



44.6412, 39.8142, 32.5262



38.8055, 39.8142, 25.0449



31.7712, 39.8142, 56.3446



36.8949, 39.8142, 68.9228

# Sweetspot

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



44.6423, 39.8161, 32.5270



84.5568, 85.1532, 86.4749



49.1593, 39.3138, 63.4324



17.8057, 17.8105, 17.8870



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.



44.6423, 39.8161, 32.5270



61.9702, 52.8320, 39.3243



50.8890, 52.3097, 34.6093



12.5545, 12.6833, 12.9471



17.0609, 9.2391, 0.8841



1.0733, 0.6458, 0.0681



# Inverse Universe

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



45.8221, 54.6267, 71.7473



63.9725, 78.1038, 106.3116



38.7572, 40.4969, 69.3923



12.6454, 13.8142, 15.9374



17.9618, 24.1853, 42.1747

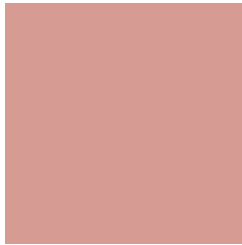


1.1232, 1.5384, 2.5571



# Previews

## White Background



This preview shows how the XYZ color 44.6412, 39.8142, 32.5262 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 44.6412, 39.8142, 32.5262 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

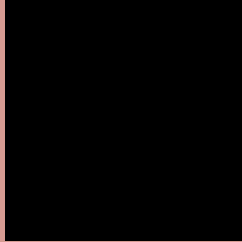
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.6412, 39.8142, 32.5262**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6412, 39.8142, 32.5262.



This preview shows how white text looks on a background with the XYZ color 44.6412, 39.8142,



# 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

44.6412, 39.8142, 32.5262

### Protanopia

38.0692, 40.0230, 35.8557

### Deuteranopia

40.6369, 39.8101, 31.9279



## Tritanopia

46.2480, 39.7357, 40.3542

# Trichromacy



## Original Color

44.6412, 39.8142, 32.5262

## Protanomaly

40.0157, 39.7001, 34.4080

## Deuteranomaly

42.0388, 39.7425, 32.2435

## Tritanomaly

45.5014, 39.6639, 37.1560

# Monochromacy



## Original Color

44.6412, 39.8142, 32.5262

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

40.7406, 40.4816, 40.3168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6412, 39.8142, 32.5262 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(214, 155, 146) looks like.

```
.text, #text, p{  
    color:rgb(214, 155, 146)  
}
```

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(214, 155, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 155, 146) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6412, 39.8142, 32.5262 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(214, 155, 146) }
```



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

```
.border{ border-color:rgb(214, 155, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 155, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 155, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 155, 146);  
box-shadow:4px 4px 4px 4px rgb(214, 155,  
146) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6412, 39.8142, 32.5262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 155, 146) }
```

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

```
.background{ background-color: rgb(214,  
155, 146) }
```

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