

# Converting Colors

XYZ(44.5477, 39.3281, 28.4941)

Have a look what the booklet for  
XYZ(44.5477, 39.3281, 28.4941)  
contains.

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# Color

**XYZ(44.4504, 39.3118,  
28.5377)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D99988
RGB	217, 153, 136
RGB Percent	85%, 60%, 53%
CMY	0.1490, 0.4000, 0.4667
CMYK	0.00, 0.29, 0.37, 0.15
HSL	13°, 52%, 69%
HSV	13°, 37%, 85%
XYZ	44.4504, 39.3118, 28.5377
YIQ	170.1980, 43.6010, 8.2810

# Conversions

## Conversions Part 2

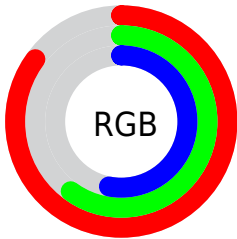
Format	Color
R <sub>Y</sub> B	217, 158, 136
Decimal	14260616
CIE Lab	68.98, 21.83, 18.52
CIE LCh	69, 28.625, 40.313
Yxy	39.3118, 0.3958, 0.3501
Android (android.graphics.Color)	4292450696 (0xFFD99988)
YUV	170.1980, -16.8596, 41.0454
Hunter-Lab	62.6991, 16.8237, 16.9034

# Details

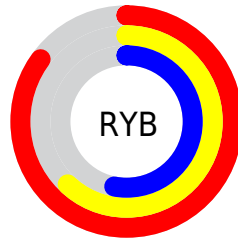
The XYZ color **44.4504, 39.3118, 28.5377** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **43.3310, 51.5503, 73.3119**, and the grayscale version is **38.3744, 40.3729, 43.9661**.

A 20% lighter version of the original color is **72.9812, 70.0459, 57.8178**, and **20.9283, 17.6482, 11.1075** is the 20% darker color. If you saturate the color by 10%, you get **40.4543, 33.5428, 20.3519**, and if you desaturate by 10%, it is **49.1640, 46.0158, 38.5038**.

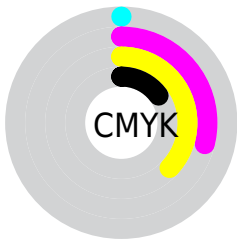
# Distribution



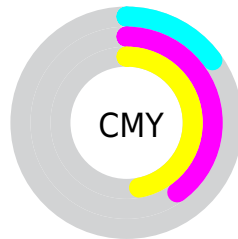
- Red (85%)
- Green (60%)
- Blue (53%)



- Red (85%)
- Yellow (62%)
- Blue (53%)



- Cyan (0%)
- Magenta (29%)
- Yellow (37%)
- Black (15%)




- Cyan (15%)
- Magenta (40%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.4504, 39.3118, 28.5377 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 44.4504, 39.3118, 28.5377 by changing the saturation by 10% instead.





 44.4504, 39.3118,  
28.5377


 44.4504, 39.3118,  
28.5377


355.3643,  
343.2143, 309.0198


 31.2242, 27.0024,  
18.4888


 81.1372, 74.1144,  
58.3752

 20.9223, 17.5750,  
11.1284


 105.3285, 97.3764,  
79.0008

 13.1793, 10.6453,  
6.0380


 133.9056,  
125.0580, 103.9892

 7.6300, 5.8289,  
2.7991

167.2337,  
157.5436, 133.7587

 3.9089, 2.7413,  
0.9930

205.6783,  
195.2177, 168.7280

 1.6507, 0.9982,  
0.0000

249.6047,

 0.4251, 0.0000,

238.4645, 209.3156

0.0000

299.3783,  
287.6686, 255.9400

0.0000, 0.0000,  
0.0000

44.4504, 39.3118,  
28.5377

44.4504, 39.3118,  
28.5377

40.4543, 33.5428,  
20.3519

49.1640, 46.0158,  
38.5038

37.1366, 28.6614,  
13.8385

54.6254, 53.6884,  
50.3447

34.4589, 24.6244,  
8.8814

60.8670, 62.3681,  
64.1510

32.3775, 21.3825,  
5.3488

67.9184, 72.0901,  
80.0066

30.8430, 18.8813,  
3.0864

75.8073, 82.8874,  
97.9908

■ 29.7936, 17.0576,  
1.8887

■ 82.4252, 93.4917,  
108.3092

■ 29.5749, 16.6712,  
1.6591

# Harmonies

## Analogous

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



46.6629, 39.3118, 38.4675



44.4504, 39.3118, 28.5377



40.3941, 39.3118, 23.2608

# Triad

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



44.4504, 39.3118, 28.5377



29.7086, 39.3118, 34.8963



38.9551, 39.3118, 72.5354

# Complementary

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



44.4504, 39.3118, 28.5377



43.3310, 51.5503, 73.3119

# 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.



34.4906, 39.3118, 71.0377



44.4504, 39.3118, 28.5377



29.3918, 39.3118, 47.4544

# Square

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



44.4504, 39.3118, 28.5377



31.9789, 39.3118, 26.3820



31.0751, 39.3118, 61.1734



43.3236, 39.3118, 64.9257



# Rectangle

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



44.4504, 39.3118, 28.5377



37.3168, 39.3118, 22.2981



31.0751, 39.3118, 61.1734



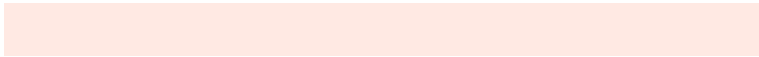
37.4126, 39.3118, 73.1126

# Sweetspot

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



44.4514, 39.3137, 28.5385



84.1915, 84.9899, 84.6042



47.9386, 36.5680, 59.6668



17.7552, 17.8227, 17.5216



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.



44.4514, 39.3137, 28.5385



59.3286, 49.8338, 31.3996



52.0630, 54.5368, 31.0757



13.2765, 13.4923, 13.6301



17.9653, 10.2162, 1.0250



1.2268, 0.7877, 0.0874

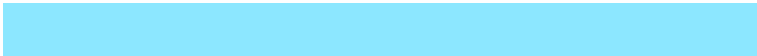


# Inverse Universe

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



43.3310, 51.5503, 73.3119



57.4580, 69.9184, 105.0750



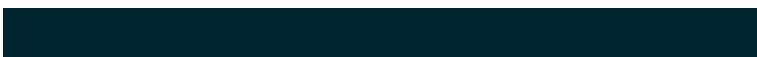
35.3009, 35.4901, 70.6352



13.2007, 14.3412, 16.7245



16.5268, 20.9230, 42.9059



1.1301, 1.4743, 2.7994



# Previews

## White Background



This preview shows how the XYZ color 44.4504, 39.3118, 28.5377 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

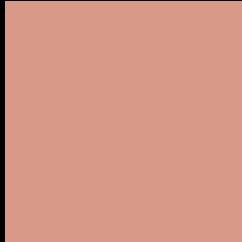
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.4504, 39.3118, 28.5377 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 44.4504, 39.3118, 28.5377**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.4504, 39.3118, 28.5377.



This preview shows how white text looks on a background with the XYZ color 44.4504, 39.3118,



# 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

44.4504, 39.3118, 28.5377

### Protanopia

37.0920, 39.3355, 31.6242

### Deuteranopia

40.2494, 39.4322, 28.0441



## Tritanopia

46.3939, 39.1282, 38.8255

# Trichromacy



## Original Color

44.4504, 39.3118, 28.5377

## Protanomaly

39.5690, 39.2943, 30.3100

## Deuteranomaly

41.6732, 39.3829, 28.3269

## Tritanomaly

45.4873, 38.9851, 34.8332

# Monochromacy



## Original Color

44.4504, 39.3118, 28.5377

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

39.9405, 39.5843, 37.8832

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.4504, 39.3118, 28.5377 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, 153, 136)` looks like.

```
.text, #text, p{  
    color:rgb(217, 153, 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, 153, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 153, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 44.4504, 39.3118, 28.5377 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, 153, 136) }
```



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

```
.border{ border-color:rgb(217, 153, 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, 153, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 153, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 153, 136);  
box-shadow:4px 4px 4px 4px rgb(217, 153,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.4504, 39.3118, 28.5377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 153, 136) }
```

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

```
.background{ background-color: rgb(217,  
153, 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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