

# Converting Colors

XYZ(42.7989, 37.5170, 23.0379)

Have a look what the booklet for  
XYZ(42.7989, 37.5170, 23.0379)  
contains.

<b>XYZ(42.8139, 37.6271, 23.0954)</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(42.8139, 37.6271,  
23.0954)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D99579
RGB	217, 149, 121
RGB Percent	85%, 58%, 47%
CMY	0.1490, 0.4157, 0.5255
CMYK	0.00, 0.31, 0.44, 0.15
HSL	18°, 56%, 66%
HSV	18°, 44%, 85%
XYZ	42.8139, 37.6271, 23.0954
YIQ	166.1400, 49.5160, 5.7080

# Conversions

## Conversions Part 2

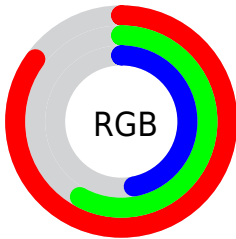
Format	Color
RYB	217, 161, 121
Decimal	14259577
CIELab	67.74, 22.31, 25.11
CIElCh	68, 33.593, 48.378
Yxy	37.6271, 0.4135, 0.3634
Android (android.graphics.Color)	4292449657 (0xFFD99579)
YUV	166.1400, -22.2540, 44.6042
Hunter-Lab	61.3409, 17.2403, 20.6154

# Details

The XYZ color **42.8139, 37.6271, 23.0954** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **38.6063, 45.4679, 72.3869**, and the grayscale version is **36.4016, 38.2973, 41.7057**.

A 20% lighter version of the original color is **70.2359, 67.0279, 49.2802**, and **20.0346, 16.6768, 8.2939** is the 20% darker color. If you saturate the color by 10%, you get **39.3567, 32.6081, 16.0997**, and if you desaturate by 10%, it is **46.8933, 43.4114, 31.7758**.

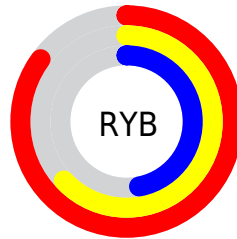
# Distribution



Red (85%)

Green (58%)

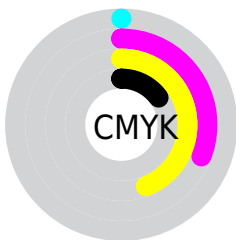
Blue (47%)



Red (85%)

Yellow (63%)

Blue (47%)

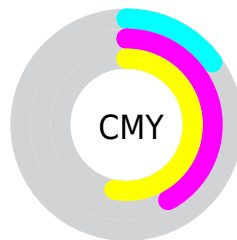


Cyan (0%)

Magenta (31%)

Yellow (44%)

Black (15%)



Cyan (15%)

Magenta (42%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8139, 37.6271, 23.0954 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 42.8139, 37.6271, 23.0954 by changing the saturation by 10% instead.





 42.8139, 37.6271,  
23.0954


 42.8139, 37.6271,  
23.0954

348.7804,  
336.0176, 281.3524

 29.9330, 25.6934,  
14.4580


 78.6874, 71.5362,  
49.4751

 19.9356, 16.5944,  
8.2975


 102.4108, 94.2804,  
68.0545

 12.4562, 9.9457,  
4.1954


 130.4790,  
121.3969, 90.7850

 7.1296, 5.3630,  
1.7332

163.2574,  
153.2701, 118.0851

 3.5903, 2.4618,  
0.3833

201.1114,  
190.2844, 150.3733

 1.4731, 0.8574,  
0.0000

244.4063,

 0.3074, 0.0000,

232.8241, 188.0682

0.0000

293.5075,  
281.2737, 231.5884

■ 0.0000, 0.0000,  
0.0000

■ 42.8139, 37.6271,  
23.0954

■ 42.8139, 37.6271,  
23.0954

■ 39.3567, 32.6081,  
16.0997

■ 46.8933, 43.4114,  
31.7758

■ 36.4860, 28.3158,  
10.6755

■ 51.6222, 49.9863,  
42.2398

■ 34.1666, 24.7162,  
6.6987


■ 57.0298, 57.3829,  
54.5811


■ 32.3579, 21.7704,  
4.0253


■ 63.1424, 65.6288,  
68.8861

■ 31.0122, 19.4346,  
2.4809

■ 69.9849, 74.7504,  
85.2359

 30.4095, 18.3403,  
1.9373

 77.5812, 84.7727,  
103.7070

 82.4252, 93.4917,  
108.3092

# Harmonies

## Analogous

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



46.1005, 37.6271, 32.5990



42.8139, 37.6271, 23.0954



37.8129, 37.6271, 18.8583

# Triad

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



42.8139, 37.6271, 23.0954



26.8478, 37.6271, 35.4744



39.0047, 37.6271, 74.5394

# Complementary

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



42.8139, 37.6271, 23.0954



38.6063, 45.4679, 72.3869

# 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.



33.7894, 37.6271, 75.8467



42.8139, 37.6271, 23.0954



27.1001, 37.6271, 50.6626

# Square

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



42.8139, 37.6271, 23.0954



28.8066, 37.6271, 24.7598



29.5329, 37.6271, 66.2792



43.7587, 37.6271, 63.0497



# Rectangle

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



42.8139, 37.6271, 23.0954



34.3283, 37.6271, 18.6912



29.5329, 37.6271, 66.2792



37.2380, 37.6271, 76.2714

# Sweetspot

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



42.8148, 37.6289, 23.0961



83.1265, 83.9695, 80.8284



44.7252, 32.1357, 52.4463



17.3970, 17.4358, 16.3860



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.



42.8148, 37.6289, 23.0961



57.0667, 47.5037, 23.8830



51.8516, 55.7024, 26.1084



13.3640, 13.6673, 13.6593



18.4879, 11.2614, 1.1992



1.2712, 0.8764, 0.1022

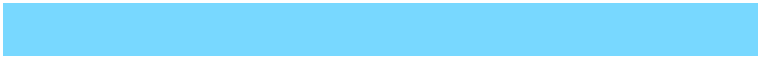


# Inverse Universe

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



38.6063, 45.4679, 72.3869



50.2219, 60.0962, 103.5605



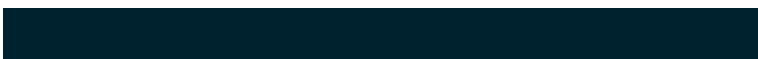
30.0531, 28.3616, 69.5358



13.1074, 14.1545, 16.6934



14.6418, 17.1529, 42.2775



1.0215, 1.2572, 2.7633



# Previews

## White Background



This preview shows how the XYZ color 42.8139, 37.6271, 23.0954 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 42.8139, 37.6271, 23.0954 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

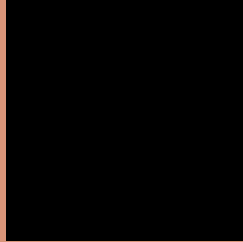
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.8139, 37.6271, 23.0954**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.8139, 37.6271, 23.0954.



This preview shows how white text looks on a background with the XYZ color 42.8139, 37.6271,

23.0954.

# 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

42.8139, 37.6271, 23.0954

### Protanopia

35.2559, 37.6989, 25.8405

### Deuteranopia

38.3216, 37.5214, 22.6754



## Tritanopia

45.4049, 37.5287, 35.8610

# Trichromacy



## Original Color

42.8139, 37.6271, 23.0954

## Protanomaly

37.5857, 37.3533, 24.6310

## Deuteranomaly

40.0133, 37.6361, 22.9249

## Tritanomaly

44.4502, 37.6010, 30.9015

# Monochromacy



## Original Color

42.8139, 37.6271, 23.0954

## Achromatopsia

36.2450, 38.1326, 41.5264

## Achromatomaly

38.0834, 37.6579, 34.1157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.8139, 37.6271, 23.0954 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, 149, 121)` looks like.

```
.text, #text, p{  
    color:rgb(217, 149, 121)  
}
```

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, 149, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 149, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 42.8139, 37.6271, 23.0954 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, 149, 121) }
```



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

```
.border{ border-color:rgb(217, 149, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 149, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 149, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 149, 121);  
box-shadow:4px 4px 4px 4px rgb(217, 149,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.8139, 37.6271, 23.0954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 149, 121) }
```

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

```
.background{ background-color: rgb(217,  
149, 121) }
```

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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