

# Converting Colors

XYZ(41.7324, 40.6368, 8.2289)

Have a look what the booklet for  
XYZ(41.7324, 40.6368, 8.2289)  
contains.

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# Color

**XYZ(41.7324, 40.6368,  
8.2289)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8A22E
RGB	216, 162, 46
RGB Percent	85%, 64%, 18%
CMY	0.1529, 0.3647, 0.8196
CMYK	0.00, 0.25, 0.79, 0.15
HSL	41°, 69%, 51%
HSV	41°, 79%, 85%
XYZ	41.7324, 40.6368, 8.2289
YIQ	164.9220, 69.4200, -24.6280

# Conversions

## Conversions Part 2

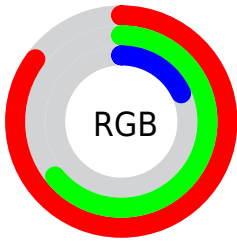
Format	Color
R <sub>Y</sub> B	125, 216, 46
Decimal	14197294
CIE Lab	69.92, 9.68, 63.58
CIE LCh	70, 64.313, 81.344
Yxy	40.6368, 0.4606, 0.4485
Android (android.graphics.Color)	4292387374 (0xFFD8A22E)
YUV	164.9220, -58.6285, 44.7954
Hunter-Lab	63.7470, 5.2990, 36.9693

# Details

The XYZ color **41.7324, 40.6368, 8.2289** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle washed orange. A complement of this color would be **18.0785, 14.6527, 66.8408**, and the grayscale version is **35.9768, 37.8504, 41.2191**.

A 20% lighter version of the original color is **68.4018, 71.8253, 22.5704**, and **19.3947, 18.4368, 2.5364** is the 20% darker color. If you saturate the color by 10%, you get **40.2334, 38.1575, 6.1310**, and if you desaturate by 10%, it is **43.5132, 43.3376, 11.4773**.

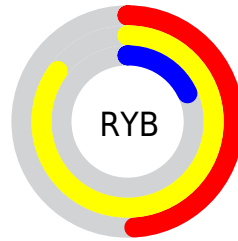
# Distribution



Red (85%)

Green (64%)

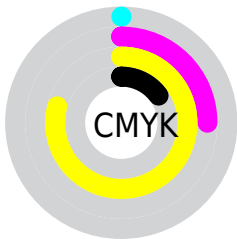
Blue (18%)



Red (49%)

Yellow (85%)

Blue (18%)

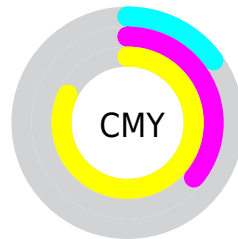


Cyan (0%)

Magenta (25%)

Yellow (79%)

Black (15%)



Cyan (15%)

Magenta (36%)


Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7324, 40.6368, 8.2289 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 41.7324, 40.6368, 8.2289 by changing the saturation by 10% instead.





 41.7324, 40.6368,  
8.2289


 41.7324, 40.6368,  
8.2289


344.3830,  
348.8003, 187.5177


 29.0820, 28.0354,  
4.1519


 77.0622, 76.1322,  
22.9595

 19.2875, 18.3523,  
1.7090


 100.4723, 99.7951,  
34.4502

 11.9834, 11.2032,  
0.3669


 128.1996,  
127.9138, 49.2492

 6.8045, 6.2037,  
0.0000

 160.6096,  
160.8729, 67.7750

 3.3854, 2.9693,  
0.0000

 198.0676,  
199.0567, 90.4462

 1.3607, 1.1157,  
0.0000

 240.9389,

 0.2280, 0.0000,

242.8496, 117.6814

0.0000

289.5889,  
292.6360, 149.8990

■ 0.0000, 0.0000,  
0.0000

■ 41.7324, 40.6368,  
8.2289

■ 41.7324, 40.6368,  
8.2289

■ 40.2334, 38.1575,  
6.1310

■ 43.5132, 43.3376,  
11.4773

■ 38.9687, 35.8742,  
4.9511

■ 45.6023, 46.2672,  
16.0231

■ 38.8138, 35.5890,  
4.8237

■ 48.0257, 49.4392,  
21.9939

■ 50.8054, 52.8641,  
29.5010

■ 53.9614, 56.5513,  
38.6449

■ 57.5120, 60.5096,  
49.5174

■ 61.4741, 64.7472,  
62.2032

■ 65.8637, 69.2721,  
76.7819

■ 70.6957, 74.0916,  
93.3279

# Harmonies

## Analogous

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



52.6059, 40.6368, 12.7773



41.7324, 40.6368, 8.2289



31.7536, 40.6368, 9.3502

# Triad

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



41.7324, 40.6368, 8.2289



22.7502, 40.6368, 68.7095



56.5646, 40.6368, 90.8879

# Complementary

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



41.7324, 40.6368, 8.2289



18.0785, 14.6527, 66.8408

# 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.



46.4203, 40.6368, 122.5517



41.7324, 40.6368, 8.2289



27.3691, 40.6368, 106.2293

# Square

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



41.7324, 40.6368, 8.2289



21.9510, 40.6368, 36.1276



35.6740, 40.6368, 129.1679



62.1274, 40.6368, 53.4990



# Rectangle

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



41.7324, 40.6368, 8.2289



26.7985, 40.6368, 13.5514



35.6740, 40.6368, 129.1679



53.4992, 40.6368, 103.1448

# Sweetspot

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



41.7333, 40.6388, 8.2297



80.8246, 84.8849, 63.0458



31.7275, 17.5258, 14.4557



16.9123, 17.7323, 12.3217



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.



41.7333, 40.6388, 8.2297



57.4218, 53.4821, 7.7599



45.7060, 59.9579, 11.7493



13.1248, 13.8237, 13.1372



23.0749, 21.2671, 2.8888



1.4647, 1.4287, 0.1986



# Inverse Universe

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



18.0785, 14.6527, 66.8408



22.0302, 14.8806, 96.3189



16.2218, 8.3814, 65.7282



12.0613, 12.6461, 15.7428



8.6679, 5.5976, 39.0768



0.5964, 0.4849, 2.3815



# Previews

## White Background



This preview shows how the XYZ color 41.7324, 40.6368, 8.2289 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 41.7324, 40.6368, 8.2289 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 41.7324, 40.6368, 8.2289**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7324, 40.6368, 8.2289.



This preview shows how white text looks on a background with the XYZ color 41.7324, 40.6368,



# 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

41.7324, 40.6368, 8.2289

### Protanopia

37.0243, 40.9249, 8.7442

### Deuteranopia

41.4378, 40.4850, 8.2151



## Tritanopia

48.1089, 40.4655, 39.9253

# Trichromacy



## Original Color

41.7324, 40.6368, 8.2289

## Protanomaly

38.6031, 40.6280, 8.4967

## Deuteranomaly

41.4378, 40.4850, 8.2151

## Tritanomaly

44.6267, 40.0144, 23.1408

# Monochromacy



## Original Color

41.7324, 40.6368, 8.2289

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

36.5555, 38.1464, 23.8487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7324, 40.6368, 8.2289 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(216, 162, 46)` looks like.

```
.text, #text, p{  
    color:rgb(216, 162, 46)  
}
```

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(216, 162, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 162, 46) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7324, 40.6368, 8.2289 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(216, 162, 46) }
```



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

```
.border{ border-color:rgb(216, 162, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 162, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 162, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 162, 46);  
box-shadow:4px 4px 4px 4px rgb(216, 162,  
46) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7324, 40.6368, 8.2289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 162, 46) }
```

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

```
.background{ background-color: rgb(216,  
162, 46) }
```

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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