

# Converting Colors

XYZ(42.3561, 42.2897, 8.6197)

Have a look what the booklet for  
XYZ(42.3561, 42.2897, 8.6197)  
contains.

<b>XYZ(42.3561, 42.2897, 8.6197)</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(42.3561, 42.2897,  
8.6197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7A72F
RGB	215, 167, 47
RGB Percent	84%, 65%, 18%
CMY	0.1569, 0.3451, 0.8157
CMYK	0.00, 0.22, 0.78, 0.16
HSL	43°, 68%, 51%
HSV	43°, 78%, 84%
XYZ	42.3561, 42.2897, 8.6197
YIQ	167.6720, 67.1280, -27.1440

# Conversions

## Conversions Part 2

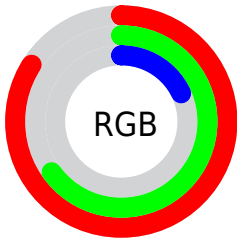
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	114, 215, 47
Decimal	14133039
CIE Lab	71.07, 6.61, 64.24
CIE LCh	71, 64.584, 84.127
Yxy	42.2897, 0.4541, 0.4534
Android (android.graphics.Color)	4292323119 (0xFFD7A72F)
YUV	167.6720, -59.4913, 41.5067
Hunter-Lab	65.0305, 2.4583, 37.6626

# Details

The XYZ color **42.3561, 42.2897, 8.6197** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **17.5302, 13.6948, 66.0089**, and the grayscale version is **37.3190, 39.2625, 42.7569**.

A 20% lighter version of the original color is **69.7595, 74.4619, 23.2662**, and **19.8410, 19.3294, 2.6852** is the 20% darker color. If you saturate the color by 10%, you get **40.9261, 39.9614, 6.5048**, and if you desaturate by 10%, it is **44.0549, 44.8144, 11.8781**.

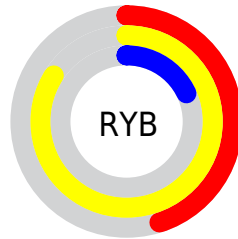
# Distribution



Red (84%)

Green (65%)

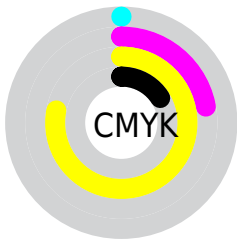
Blue (18%)



Red (45%)

Yellow (84%)

Blue (18%)

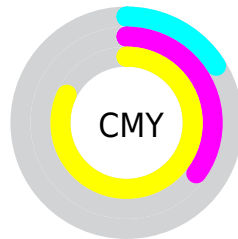


Cyan (0%)

Magenta (22%)

Yellow (78%)

Black (16%)



Cyan (16%)

Magenta (35%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3561, 42.2897, 8.6197 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 42.3561, 42.2897, 8.6197 by changing the saturation by 10% instead.



42.3561, 42.2897,  
8.6197

42.3561, 42.2897,  
8.6197

346.9236,  
355.6825, 190.6274

29.5726, 29.3282,  
4.4006

78.0001, 78.6379,  
23.7306

19.6608, 19.3292,  
1.8476

101.5912,  
102.7934, 35.4594

12.2556, 11.9084,  
0.4591

129.5156,  
131.4490, 50.5285

6.9914, 6.6813,  
0.0000

162.1386,  
164.9891, 69.3564

3.5030, 3.2636,  
0.0000

199.8255,  
203.7981, 92.3617

1.4250, 1.2709,  
0.0000

242.9417,

0.2739, 0.1185,

248.2604, 119.9630

0.0000

291.8526,  
298.7604, 152.5787

■ 0.0000, 0.0000,  
0.0000

■ 42.3561, 42.2897,  
8.6197

■ 42.3561, 42.2897,  
8.6197

■ 40.9261, 39.9614,  
6.5048

■ 44.0549, 44.8144,  
11.8781

■ 39.7211, 37.8058,  
5.3187

■ 46.0481, 47.5419,  
16.4234

■ 39.5100, 37.4188,  
5.1402

■ 48.3608, 50.4849,  
22.3807

■ 51.0144, 53.6533,  
29.8593

■ 54.0284, 57.0557,  
38.9579

■ 57.4204, 60.7004,  
49.7666

■ 61.2069, 64.5951,  
62.3690

■ 65.4035, 68.7469,  
76.8432

■ 70.0245, 73.1626,  
93.2625

# Harmonies

## Analogous

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



53.6224, 42.2897, 12.7270



42.3561, 42.2897, 8.6197



32.2957, 42.2897, 10.3171

# Triad

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



42.3561, 42.2897, 8.6197



24.0755, 42.2897, 74.8603



59.4635, 42.2897, 90.3884

# Complementary

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



42.3561, 42.2897, 8.6197



17.5302, 13.6948, 66.0089

# 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.



49.2877, 42.2897, 124.3657



42.3561, 42.2897, 8.6197



29.2202, 42.2897, 112.9405

# Square

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



42.3561, 42.2897, 8.6197



22.8851, 42.2897, 40.2288



38.1089, 42.2897, 134.0712



64.5721, 42.2897, 52.3992



# Rectangle

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



42.3561, 42.2897, 8.6197



27.4093, 42.2897, 15.2053



38.1089, 42.2897, 134.0712



56.4430, 42.2897, 103.2334

# Sweetspot

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



42.3571, 42.2918, 8.6205



81.8895, 86.5531, 64.8240



31.2173, 17.3510, 13.1118



17.1465, 18.1126, 12.6718



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.



42.3571, 42.2918, 8.6205



58.9973, 56.6332, 8.2850



43.9635, 58.6780, 11.6987



13.1591, 13.8925, 13.1487



23.7265, 22.5702, 3.1060



1.5001, 1.4994, 0.2103



# Inverse Universe

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



17.5302, 13.6948, 66.0089



21.4051, 13.6304, 96.1105



16.6418, 8.6716, 65.0861



12.0287, 12.5808, 15.7319



8.4267, 5.1153, 38.9964



0.5787, 0.4494, 2.3755



# Previews

## White Background



This preview shows how the XYZ color 42.3561, 42.2897, 8.6197 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 42.3561, 42.2897, 8.6197 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 42.3561, 42.2897, 8.6197**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.3561, 42.2897, 8.6197.



This preview shows how white text looks on a background with the XYZ color 42.3561, 42.2897,



# 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

42.3561, 42.2897, 8.6197

### Protanopia

38.3900, 42.4838, 9.0826

### Deuteranopia

43.2021, 42.1837, 8.6616



## Tritanopia

49.3878, 42.2921, 42.6060

# Trichromacy



## Original Color

42.3561, 42.2897, 8.6197

## Protanomaly

39.6431, 42.2750, 8.8668

## Deuteranomaly

43.0832, 42.3913, 8.7079

## Tritanomaly

45.7241, 41.8125, 24.7295

# Monochromacy



## Original Color

42.3561, 42.2897, 8.6197

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

37.6483, 39.7748, 24.7618

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.3561, 42.2897, 8.6197 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(215, 167, 47)` looks like.

```
.text, #text, p{  
    color:rgb(215, 167, 47)  
}
```

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(215, 167, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 167, 47) }
```

## Border

The CSS property to change the border of an element to XYZ 42.3561, 42.2897, 8.6197 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(215, 167, 47) }
```



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

```
.border{ border-color:rgb(215, 167, 47) }
```

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

Here you see how a box with a 4 pixel rgb(215, 167, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 167, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 167, 47);  
box-shadow:4px 4px 4px 4px rgb(215, 167,  
47) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.3561, 42.2897, 8.6197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 167, 47) }
```

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

```
.background{ background-color: rgb(215,  
167, 47) }
```

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