

# Converting Colors

XYZ(44.7118, 42.7648, 16.3765)

Have a look what the booklet for  
XYZ(44.7118, 42.7648, 16.3765)  
contains.

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# Color

**XYZ(44.6889, 42.7785,  
16.4914)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBA55E
RGB	219, 165, 94
RGB Percent	86%, 65%, 37%
CMY	0.1412, 0.3529, 0.6314
CMYK	0.00, 0.25, 0.57, 0.14
HSL	34°, 63%, 61%
HSV	34°, 57%, 86%
XYZ	44.6889, 42.7785, 16.4914
YIQ	173.0520, 54.9750, -10.6330

# Conversions

## Conversions Part 2

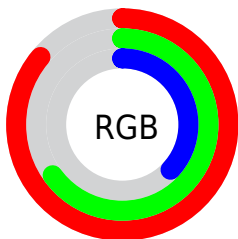
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 219, 94
Decimal	14394718
CIELab	71.40, 12.05, 44.09
CIELCh	71, 45.706, 74.708
Yxy	42.7785, 0.4299, 0.4115
Android (android.graphics.Color)	4292584798 (0xFFDBA55E)
YUV	173.0520, -38.9726, 40.2964
Hunter-Lab	65.4053, 7.5029, 30.8342

# Details

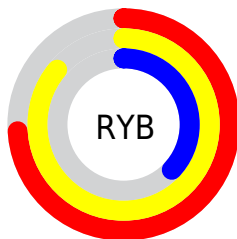
The XYZ color **44.6889, 42.7785, 16.4914** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **27.9916, 28.6726, 71.0765**, and the grayscale version is **39.9209, 41.9999, 45.7379**.

A 20% lighter version of the original color is **72.0215, 74.5217, 37.7823**, and **21.0577, 19.5692, 5.0502** is the 20% darker color. If you saturate the color by 10%, you get **42.1987, 39.1541, 11.4818**, and if you desaturate by 10%, it is **47.5861, 46.7711, 23.0128**.

# Distribution



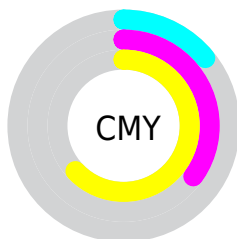
- Red (86%)
- Green (65%)
- Blue (37%)



- Red (74%)
- Yellow (86%)
- Blue (37%)



- Cyan (0%)
- Magenta (25%)
- Yellow (57%)
- Black (14%)




- Cyan (14%)
- Magenta (35%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6889, 42.7785, 16.4914 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 44.6889, 42.7785, 16.4914 by changing the saturation by 10% instead.





 44.6889, 42.7785,  
16.4914


 44.6889, 42.7785,  
16.4914


356.3171,  
357.7001, 244.1681

 31.4127, 29.7114,  
9.7144


 81.4933, 79.3765,  
38.2278


 21.0667, 19.6196,  
5.1069


 105.7522,  
103.6762, 54.0243

 13.2855, 12.1188,  
2.2503

 134.4028,  
132.4888, 73.6645

 7.7038, 6.8247,  
0.7032

 167.8103,  
166.1987, 97.5667

 3.9562, 3.3527,  
0.0000

206.3401,  
205.1905, 126.1497

 1.6774, 1.3185,  
0.0000

250.3576,

 0.4420, 0.1555,

249.8483, 159.8319

0.0000

300.2281,  
300.5567, 199.0318

■ 0.0000, 0.0000,  
0.0000

■ 44.6889, 42.7785,  
16.4914

■ 44.6889, 42.7785,  
16.4914

■ 42.1987, 39.1541,  
11.4818

■ 47.5861, 46.7711,  
23.0128

■ 40.0855, 35.8764,  
7.8526

■ 50.9114, 51.1393,  
31.1572

■ 38.3191, 32.9306,  
5.4543

■ 54.6876, 55.8982,  
41.0282

■ 36.8592, 30.2958,  
4.0888

■ 58.9350, 61.0598,  
52.7201

■ 36.4713, 29.5760,  
3.7865

■ 63.6725, 66.6354,  
66.3200

■ 68.9176, 72.6359,  
81.9096

■ 74.6872, 79.0717,  
99.5659

■ 78.6252, 85.0040,  
106.8712

■ 81.4937, 90.7410,  
107.8273

# Harmonies

## Analogous

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



52.1099, 42.7785, 22.6727



44.6889, 42.7785, 16.4914



37.0171, 42.7785, 16.4354

# Triad

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



44.6889, 42.7785, 16.4914



27.9601, 42.7785, 58.1884



51.9839, 42.7785, 83.6585

# Complementary

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



44.6889, 42.7785, 16.4914



27.9916, 28.6726, 71.0765

# 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.



44.5337, 42.7785, 100.7728



44.6889, 42.7785, 16.4914



31.0231, 42.7785, 83.2073

# Square

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



44.6889, 42.7785, 16.4914



27.9906, 42.7785, 36.2709



36.8802, 42.7785, 100.5857



56.6697, 42.7785, 58.6744



# Rectangle

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



44.6889, 42.7785, 16.4914



32.8023, 42.7785, 19.7029



36.8802, 42.7785, 100.5857



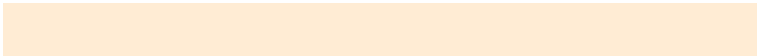
49.6812, 42.7785, 90.8277

# Sweetspot

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



44.6899, 42.7806, 16.4922



83.1541, 86.1450, 74.3011



38.5747, 25.2092, 30.9193



17.5268, 18.1127, 15.1427



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.



44.6899, 42.7806, 16.4922



59.0890, 54.5455, 15.3171



54.1203, 65.2705, 20.3362



13.6668, 14.2730, 13.7602



21.7367, 17.7589, 2.2822



1.4932, 1.3206, 0.1762

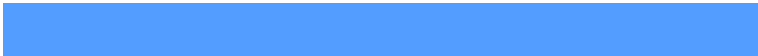


# Inverse Universe

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



27.9916, 28.6726, 71.0765



33.4678, 32.9415, 99.2021



22.3066, 15.9646, 68.9232



12.7990, 13.5377, 16.5906



10.0910, 8.0514, 40.7606



0.7383, 0.6907, 2.6689



# Previews

## White Background



This preview shows how the XYZ color 44.6889, 42.7785, 16.4914 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

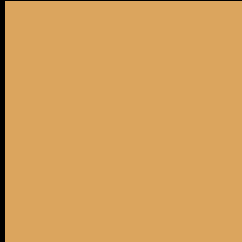
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.6889, 42.7785, 16.4914 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 44.6889, 42.7785, 16.4914**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6889, 42.7785, 16.4914.



This preview shows how white text looks on a background with the XYZ color 44.6889, 42.7785,



# 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

44.6889, 42.7785, 16.4914

### Protanopia

39.5269, 42.8792, 17.7485

### Deuteranopia

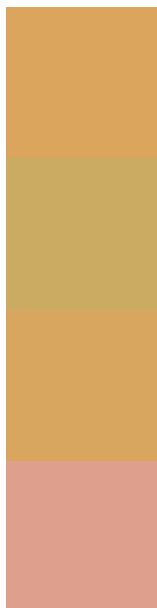
43.8634, 42.8927, 16.5569



## Tritanopia

50.0077, 42.6116, 42.6350

# Trichromacy



## Original Color

44.6889, 42.7785, 16.4914

## Protanomaly

41.0777, 42.5454, 17.3563

## Deuteranomaly

43.9755, 42.6795, 16.5099

## Tritanomaly

47.6373, 42.4073, 30.8740

# Monochromacy



## Original Color

44.6889, 42.7785, 16.4914

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

40.6440, 41.7102, 32.2943

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6889, 42.7785, 16.4914 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(219, 165, 94)` looks like.

```
.text, #text, p{  
    color:rgb(219, 165, 94)  
}
```

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(219, 165, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 165, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6889, 42.7785, 16.4914 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(219, 165, 94) }
```



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

```
.border{ border-color:rgb(219, 165, 94) }
```

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

Here you see how a box with a 4 pixel rgb(219, 165, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 165, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 165, 94);  
box-shadow:4px 4px 4px 4px rgb(219, 165,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6889, 42.7785, 16.4914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 165, 94) }
```

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

```
.background{ background-color: rgb(219,  
165, 94) }
```

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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