

Converting Colors

XYZ(41.9715, 41.8833, 17.4874)

Have a look what the booklet for
XYZ(41.9715, 41.8833, 17.4874)
contains.

XYZ(42.0357, 41.9292, 17.4329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.0357, 41.9292,
17.4329)**

Conversions

Conversions Part 1

Format	Color
Hex	D0A762
RGB	208, 167, 98
RGB Percent	82%, 65%, 38%
CMY	0.1843, 0.3451, 0.6157
CMYK	0.00, 0.20, 0.53, 0.18
HSL	38°, 54%, 60%
HSV	38°, 53%, 82%
XYZ	42.0357, 41.9292, 17.4329
YIQ	171.3930, 46.5850, -12.7670

Conversions

Conversions Part 2

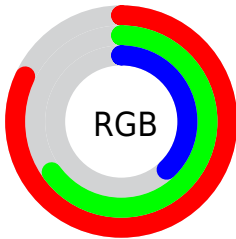
Format	Color
RYB	163, 208, 98
Decimal	13674338
CIELab	70.82, 6.71, 41.09
CIELCh	71, 41.637, 80.722
Yxy	41.9292, 0.4146, 0.4135
Android (android.graphics.Color)	4291864418 (0xFFD0A762)
YUV	171.3930, -36.1827, 32.1043
Hunter-Lab	64.7528, 2.5599, 29.3647

Details

The XYZ color **42.0357, 41.9292, 17.4329** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.6543, 25.6148, 63.2661**, and the grayscale version is **39.0673, 41.1019, 44.7600**.

A 20% lighter version of the original color is **72.8663, 75.7046, 39.6261**, and **19.4476, 19.0625, 5.5602** is the 20% darker color. If you saturate the color by 10%, you get **39.8008, 38.8322, 12.4563**, and if you desaturate by 10%, it is **44.6129, 45.3025, 23.7834**.

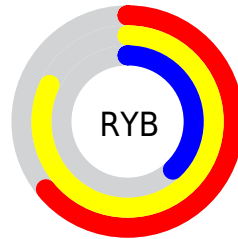
Distribution



Red (82%)

Green (65%)

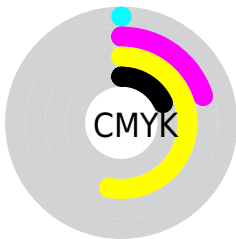
Blue (38%)



Red (64%)

Yellow (82%)

Blue (38%)

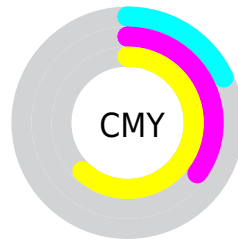


Cyan (0%)

Magenta (20%)

Yellow (53%)

Black (18%)



Cyan (18%)

Magenta (35%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0357, 41.9292, 17.4329 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 42.0357, 41.9292, 17.4329 by changing the saturation by 10% instead.

■ 42.0357, 41.9292,
17.4329

■ 42.0357, 41.9292,
17.4329

345.6200,
354.1894, 249.7827

■ 29.3205, 29.0459,
10.3784

■ 77.5185, 78.0925,
39.8694

■ 19.4689, 19.1155,
5.5417

■ 101.0167,
102.1412, 56.0885

■ 12.1156, 11.7538,
2.5042

■ 128.8401,
130.6805, 76.1995

■ 6.8952, 6.5762,
0.8424

■ 161.3538,
164.0947, 100.6210

■ 3.4424, 3.1985,
0.0000

198.9233,
202.7683, 129.7715

■ 1.3918, 1.2362,
0.0000

241.9139,

■ 0.2504, 0.0910,

247.0857, 164.0696

0.0000

290.6911,
297.4313, 203.9339

■ 0.0000, 0.0000,
0.0000

■ 42.0357, 41.9292,
17.4329

■ 42.0357, 41.9292,
17.4329

■ 39.8008, 38.8322,
12.4563

■ 44.6129, 45.3025,
23.7834

■ 37.8836, 35.9945,
8.7441

■ 47.5490, 48.9563,
31.6007

■ 36.2602, 33.4058,
6.1742

■ 50.8626, 52.9019,
40.9727

■ 34.9011, 31.0518,
4.5987

■ 54.5704, 57.1482,
51.9792

■ 34.0592, 29.5037,
3.8997

■ 58.6877, 61.7033,
64.6949

■ 63.2290, 66.5753,
79.1897

■ 68.2081, 71.7716,
95.5295

■ 72.0869, 76.6791,
105.6089

■ 74.2801, 81.0656,
106.3400

Harmonies

Analogous

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



48.8807, 41.9292, 22.0581



42.0357, 41.9292, 17.4329



35.3286, 41.9292, 18.4884

Triad

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



42.0357, 41.9292, 17.4329



28.6608, 41.9292, 60.5036



51.0615, 41.9292, 74.2676

Complementary

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



42.0357, 41.9292, 17.4329



25.6543, 25.6148, 63.2661

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.



44.7469, 41.9292, 91.3584



42.0357, 41.9292, 17.4329



32.0105, 41.9292, 81.9482

Square

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



42.0357, 41.9292, 17.4329



28.1133, 41.9292, 39.7832



37.7461, 41.9292, 94.5164



54.4746, 41.9292, 52.0752

Rectangle

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



42.0357, 41.9292, 17.4329



31.7890, 41.9292, 22.4404



37.7461, 41.9292, 94.5164



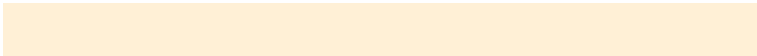
49.1757, 41.9292, 81.0398

Sweetspot

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



42.0367, 41.9312, 17.4337



84.5029, 88.3246, 76.3469



35.1261, 24.0439, 27.6654



17.8232, 18.6036, 15.5559



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.



42.0367, 41.9312, 17.4337



62.8202, 61.1626, 19.1668



47.3091, 57.6176, 20.1836



12.4177, 13.0262, 12.4719



21.3231, 18.5791, 2.4623



1.2670, 1.1883, 0.1626

Inverse Universe

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



25.6543, 25.6148, 63.2661



34.2942, 32.8024, 99.1317



22.2878, 16.6586, 61.7148



11.5194, 12.1291, 14.9777



8.8580, 6.3626, 37.9537



0.5705, 0.5062, 2.1472

Previews

White Background



This preview shows how the XYZ color 42.0357, 41.9292, 17.4329 looks on a white background.

Color Contrast Check

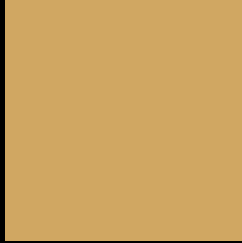
Large Text (above 18pt) WCAG AA × Fail

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 42.0357, 41.9292, 17.4329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

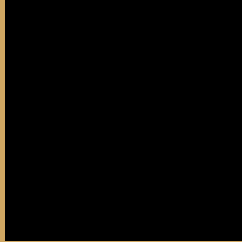
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0357, 41.9292, 17.4329

Background



This preview shows how black text looks on a background with the XYZ color 42.0357, 41.9292, 17.4329.



This preview shows how white text looks on a background with the XYZ color 42.0357, 41.9292,

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

42.0357, 41.9292, 17.4329

Protanopia

38.6715, 42.1394, 18.1521

Deuteranopia

42.9922, 42.1513, 17.4254



Tritanopia

47.3091, 41.6901, 44.0816

Trichromacy



Original Color

42.0357, 41.9292, 17.4329

Protanomaly

39.8410, 41.8970, 17.7915

Deuteranomaly

42.7048, 42.0032, 17.4119

Tritanomaly

44.9303, 41.5004, 32.0279

Monochromacy



Original Color

42.0357, 41.9292, 17.4329

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.1759, 40.9534, 32.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0357, 41.9292, 17.4329 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(208, 167, 98)` looks like.

```
.text, #text, p{  
    color:rgb(208, 167, 98)  
}
```

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(208, 167, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 167, 98) }
```

Border

The CSS property to change the border of an element to XYZ 42.0357, 41.9292, 17.4329 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(208, 167, 98) }
```


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

```
.border{ border-color:rgb(208, 167, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 167, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 167, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 167, 98);  
box-shadow:4px 4px 4px 4px rgb(208, 167,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0357, 41.9292, 17.4329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 167, 98) }
```

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

```
.background{ background-color: rgb(208,  
167, 98) }
```

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