

Converting Colors

XYZ(42.0514, 43.2162, 16.8954)

Have a look what the booklet for
XYZ(42.0514, 43.2162, 16.8954)
contains.

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Color

**XYZ(42.2717, 43.4531,
16.9858)**

Conversions

Conversions Part 1

Format	Color
Hex	CEAC5F
RGB	206, 172, 95
RGB Percent	81%, 67%, 37%
CMY	0.1922, 0.3255, 0.6274
CMYK	0.00, 0.17, 0.54, 0.19
HSL	42°, 53%, 59%
HSV	42°, 54%, 81%
XYZ	42.2717, 43.4531, 16.9858
YIQ	173.3880, 44.9810, -16.7390

Conversions

Conversions Part 2

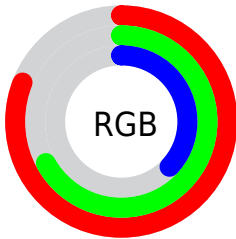
Format	Color
RYB	144, 206, 95
Decimal	13544543
CIELab	71.86, 2.94, 43.82
CIELCh	72, 43.920, 86.156
Yxy	43.4531, 0.4116, 0.4231
Android (android.graphics.Color)	4291734623 (0xFFCEAC5F)
YUV	173.3880, -38.6453, 28.6007
Hunter-Lab	65.9190, -0.8919, 30.8656

Details

The XYZ color **42.2717, 43.4531, 16.9858** 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 **23.7099, 22.5888, 61.5027**, and the grayscale version is **40.0948, 42.1829, 45.9371**.

A 20% lighter version of the original color is **73.9755, 78.3048, 38.8192**, and **19.5846, 20.0120, 5.3131** is the 20% darker color. If you saturate the color by 10%, you get **40.2843, 40.7838, 12.2987**, and if you desaturate by 10%, it is **44.5658, 46.3396, 22.9975**.

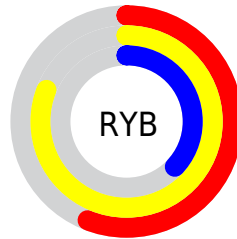
Distribution



Red (81%)

Green (67%)

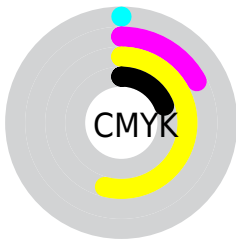
Blue (37%)



Red (56%)

Yellow (81%)

Blue (37%)

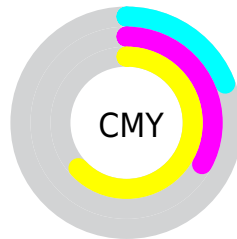


Cyan (0%)

Magenta (17%)

Yellow (54%)

Black (19%)



Cyan (19%)

Magenta (33%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2717, 43.4531, 16.9858 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 42.2717, 43.4531, 16.9858 by changing the saturation by 10% instead.

■ 42.2717, 43.4531,
16.9858

■ 42.2717, 43.4531,
16.9858

346.5805,
360.4718, 247.1317

■ 29.5061, 30.2408,
10.0625

■ 77.8733, 80.3942,
39.0917

■ 19.6102, 20.0214,
5.3343

■ 101.4400,
104.8917, 55.1113

■ 12.2187, 12.4106,
2.3826

■ 129.3377,
133.9198, 75.0002

■ 6.9660, 7.0240,
0.7769

■ 161.9320,
167.8627, 99.1769

■ 3.4870, 3.4771,
0.0000

199.5880,
207.1051, 128.0598

■ 1.4162, 1.3856,
0.0000

242.6712,

■ 0.2677, 0.2061,

252.0311, 162.0675

0.0000

291.5469,
303.0252, 201.6187

■ 0.0000, 0.0000,
0.0000

■ 42.2717, 43.4531,
16.9858

■ 42.2717, 43.4531,
16.9858

■ 40.2843, 40.7838,
12.2987

■ 44.5658, 46.3396,
22.9975

■ 38.5796, 38.3160,
8.8281

■ 47.1821, 49.4457,
30.4251

■ 37.1350, 36.0409,
6.4531

■ 50.1385, 52.7815,
39.3550

■ 35.9215, 33.9457,
5.0264

■ 53.4506, 56.3544,
49.8657

■ 35.2625, 32.7397,
4.4609

■ 57.1329, 60.1713,
62.0303

■ 61.1992, 64.2390,
75.9173

■ 65.6624, 68.5637,
91.5912

■ 69.7517, 72.8382,
104.9906

■ 71.4637, 76.2621,
105.5613

Harmonies

Analogous

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



49.8315, 43.4531, 20.7037



42.2717, 43.4531, 16.9858



35.2850, 43.4531, 19.1539

Triad

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



42.2717, 43.4531, 16.9858



29.6992, 43.4531, 67.8707



54.4216, 43.4531, 74.1319

Complementary

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



42.2717, 43.4531, 16.9858



23.7099, 22.5888, 61.5027

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.



47.9643, 43.4531, 94.6975



42.2717, 43.4531, 16.9858



33.8040, 43.4531, 90.3831

Square

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



42.2717, 43.4531, 16.9858



28.5590, 43.4531, 44.6074



40.3450, 43.4531, 101.3952



57.3605, 43.4531, 50.1259

Rectangle

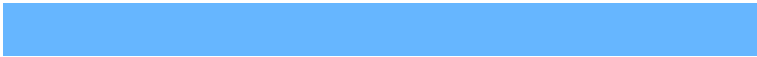
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.2717, 43.4531, 16.9858



31.7801, 43.4531, 24.1488



40.3450, 43.4531, 101.3952



52.5552, 43.4531, 81.9271

Sweetspot

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



42.2727, 43.4552, 16.9867



85.3057, 89.9303, 76.6145



33.5854, 22.9224, 23.8267



18.0153, 18.9877, 15.6199



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.



42.2727, 43.4552, 16.9867



64.7030, 65.2841, 18.6972



44.3017, 55.3641, 19.1784



11.8526, 12.4942, 11.8664



21.8028, 20.3386, 2.7766



1.1899, 1.1796, 0.1650

Inverse Universe

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



23.7099, 22.5888, 61.5027



31.5738, 28.1161, 98.3706



22.3495, 16.3098, 60.3625



10.8773, 11.3950, 14.1965



8.0335, 5.0910, 36.5155



0.4819, 0.3976, 1.9063

Previews

White Background



This preview shows how the XYZ color 42.2717, 43.4531, 16.9858 looks on a white background.

Color Contrast Check

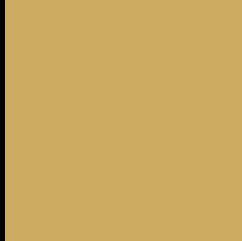
Large Text (above 18pt) WCAG AA × Fail

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 42.2717, 43.4531, 16.9858 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 42.2717, 43.4531, 16.9858

Background



This preview shows how black text looks on a background with the XYZ color 42.2717, 43.4531, 16.9858.



This preview shows how white text looks on a background with the XYZ color 42.2717, 43.4531,

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

42.2717, 43.4531, 16.9858

Protanopia

39.9311, 43.3831, 17.5784

Deuteranopia

44.4329, 43.4487, 17.1109



Tritanopia

48.2756, 43.4357, 46.3970

Trichromacy



Original Color

42.2717, 43.4531, 16.9858

Protanomaly

40.7300, 43.5102, 17.3179

Deuteranomaly

43.4507, 43.2175, 17.1180

Tritanomaly

45.4029, 43.0494, 33.1105

Monochromacy



Original Color

42.2717, 43.4531, 16.9858

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.0620, 42.2458, 32.8308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2717, 43.4531, 16.9858 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(206, 172, 95)` looks like.

```
.text, #text, p{  
    color:rgb(206, 172, 95)  
}
```

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(206, 172, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 172, 95) }
```

Border

The CSS property to change the border of an element to XYZ 42.2717, 43.4531, 16.9858 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(206, 172, 95) }
```


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

```
.border{ border-color:rgb(206, 172, 95) }
```

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

Here you see how a box with a 4 pixel rgb(206, 172, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 172, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 172, 95);  
box-shadow:4px 4px 4px 4px rgb(206, 172,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2717, 43.4531, 16.9858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 172, 95) }
```

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

```
.background{ background-color: rgb(206,  
172, 95) }
```

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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