

Converting Colors

XYZ(42.8524, 44.9146, 17.5989)

Have a look what the booklet for
XYZ(42.8524, 44.9146, 17.5989)
contains.

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Color

**XYZ(42.8598, 44.8929,
17.7155)**

Conversions

Conversions Part 1

Format	Color
Hex	CDB061
RGB	205, 176, 97
RGB Percent	80%, 69%, 38%
CMY	0.1961, 0.3098, 0.6196
CMYK	0.00, 0.14, 0.53, 0.20
HSL	44°, 52%, 59%
HSV	44°, 53%, 80%
XYZ	42.8598, 44.8929, 17.7155
YIQ	175.6650, 42.6430, -18.4210

Conversions

Conversions Part 2

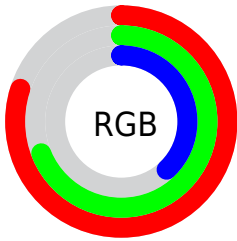
Format	Color
RYB	137, 205, 97
Decimal	13480033
CIELab	72.82, 0.57, 43.96
CIELCh	73, 43.959, 89.259
Yxy	44.8929, 0.4064, 0.4257
Android (android.graphics.Color)	4291670113 (0xFFCDB061)
YUV	175.6650, -38.7818, 25.7268
Hunter-Lab	67.0022, -3.0713, 31.2251

Details

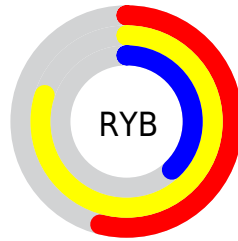
The XYZ color **42.8598, 44.8929, 17.7155** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **23.4097, 21.8700, 60.7447**, and the grayscale version is **41.2733, 43.4227, 47.2873**.

A 20% lighter version of the original color is **75.2407, 80.5818, 40.0220**, and **19.9335, 20.9164, 5.6760** is the 20% darker color. If you saturate the color by 10%, you get **40.9677, 42.4459, 12.9630**, and if you desaturate by 10%, it is **45.0448, 47.5305, 23.7850**.

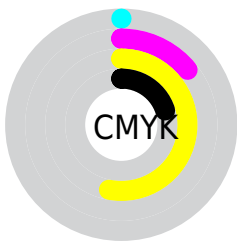
Distribution



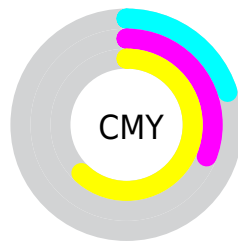
- Red (80%)
- Green (69%)
- Blue (38%)



- Red (54%)
- Yellow (80%)
- Blue (38%)



- Cyan (0%)
- Magenta (14%)
- Yellow (53%)
- Black (20%)



- Cyan (20%)
- Magenta (31%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8598, 44.8929, 17.7155 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 42.8598, 44.8929, 17.7155 by changing the saturation by 10% instead.

42.8598, 44.8929,
17.7155

42.8598, 44.8929,
17.7155

348.9662,
366.3396, 251.4446

29.9692, 31.3731,
10.5786

78.7563, 82.5597,
40.3593

19.9631, 20.8831,
5.6737

102.4928,
107.4754, 56.7033

12.4764, 13.0386,
2.5821

130.5754,
136.9586, 76.9534

7.1435, 7.4551,
0.8832

163.3694,
171.3936, 101.5282

3.5991, 3.7483,
0.0000

201.2401,
211.1648, 130.8461

1.4779, 1.5338,
0.0000

244.5529,

0.3108, 0.3123,

256.6566, 165.3258

0.0000

293.6731,
308.2534, 205.3858

■ 0.0000, 0.0000,
0.0000

■ 42.8598, 44.8929,
17.7155

■ 42.8598, 44.8929,
17.7155

■ 40.9677, 42.4459,
12.9630

■ 45.0448, 47.5305,
23.7850

■ 39.3454, 40.1743,
9.4224

■ 47.5373, 50.3602,
31.2606

■ 37.9710, 38.0702,
6.9765

■ 50.3548, 53.3914,
40.2264

■ 36.8171, 36.1219,
5.4838

■ 53.5122, 56.6311,
50.7594

■ 36.0772, 34.7801,
4.8118

■ 57.0236, 60.0855,
62.9311

■ 60.9023, 63.7607,
76.8086

■ 65.1606, 67.6624,
92.4553

■ 68.8289, 71.4034,
104.7623

■ 70.2975, 74.3407,
105.2519

Harmonies

Analogous

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



50.6320, 44.8929, 20.8935



42.8598, 44.8929, 17.7155



35.8812, 44.8929, 20.5860

Triad

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



42.8598, 44.8929, 17.7155



31.0881, 44.8929, 72.4758



56.5898, 44.8929, 73.7093

Complementary

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



42.8598, 44.8929, 17.7155



23.4097, 21.8700, 60.7447

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.



50.2638, 44.8929, 95.5690



42.8598, 44.8929, 17.7155



35.5886, 44.8929, 94.7200

Square

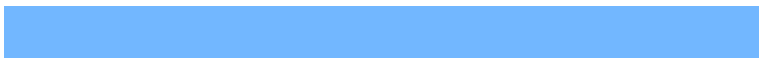
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.8598, 44.8929, 17.7155



29.5953, 44.8929, 48.3381



42.4795, 44.8929, 104.2084



59.1181, 44.8929, 49.4274

Rectangle

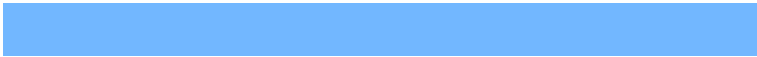
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.8598, 44.8929, 17.7155



32.4739, 44.8929, 26.2336



42.4795, 44.8929, 104.2084



54.8024, 44.8929, 81.8214

Sweetspot

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



42.8609, 44.8950, 17.7164



85.7678, 90.8546, 76.7686



33.3217, 23.0769, 22.9828



18.1260, 19.2092, 15.6569



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.



42.8609, 44.8950, 17.7164



66.7873, 69.0967, 20.4891



43.1860, 54.4219, 19.5381



11.8892, 12.5673, 11.8785



22.5415, 21.8159, 3.0228



1.2234, 1.2464, 0.1761

Inverse Universe

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



23.4097, 21.8700, 60.7447



31.7160, 27.6462, 98.2724



23.0958, 16.9794, 59.8173



10.8427, 11.3258, 14.1850



7.7794, 4.5827, 36.4308



0.4654, 0.3645, 1.9008

Previews

White Background



This preview shows how the XYZ color 42.8598, 44.8929, 17.7155 looks on a white background.

Color Contrast Check

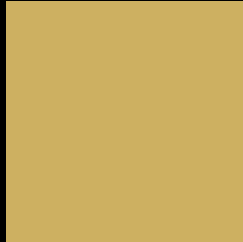
Large Text (above 18pt) WCAG AA × Fail

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 42.8598, 44.8929, 17.7155 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

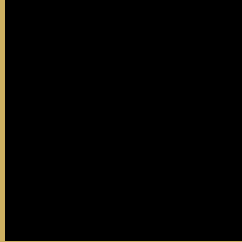
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8598, 44.8929, 17.7155

Background



This preview shows how black text looks on a background with the XYZ color 42.8598, 44.8929, 17.7155.



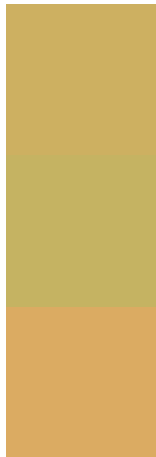
This preview shows how white text looks on a background with the XYZ color 42.8598, 44.8929,

17.7155.

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

42.8598, 44.8929, 17.7155

Protanopia

41.3507, 44.9924, 18.0603

Deuteranopia

45.9809, 45.0677, 17.8308



Tritanopia

49.3960, 45.0382, 48.7376

Trichromacy



Original Color

42.8598, 44.8929, 17.7155

Protanomaly

41.9444, 45.0020, 18.0308

Deuteranomaly

44.8797, 45.0651, 17.8883

Tritanomaly

46.3779, 44.6210, 34.6021

Monochromacy



Original Color

42.8598, 44.8929, 17.7155

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

41.2853, 43.7220, 33.8670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8598, 44.8929, 17.7155 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(205, 176, 97)` looks like.

```
.text, #text, p{  
    color:rgb(205, 176, 97)  
}
```

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(205, 176, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 176, 97) }
```

Border

The CSS property to change the border of an element to XYZ 42.8598, 44.8929, 17.7155 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(205, 176, 97) }
```


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

```
.border{ border-color:rgb(205, 176, 97) }
```

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

Here you see how a box with a 4 pixel rgb(205, 176, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 176, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 176, 97);  
box-shadow:4px 4px 4px 4px rgb(205, 176,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8598, 44.8929, 17.7155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 176, 97) }
```

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

```
.background{ background-color: rgb(205,  
176, 97) }
```

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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