

Converting Colors

XYZ(44.7589, 43.8757, 17.9142)

Have a look what the booklet for
XYZ(44.7589, 43.8757, 17.9142)
contains.

XYZ(44.7590, 43.8757, 17.9142)	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(44.7590, 43.8757,
17.9142)**

Conversions

Conversions Part 1

Format	Color
Hex	D8A963
RGB	216, 169, 99
RGB Percent	85%, 66%, 39%
CMY	0.1529, 0.3372, 0.6118
CMYK	0.00, 0.22, 0.54, 0.15
HSL	36°, 60%, 62%
HSV	36°, 54%, 85%
XYZ	44.7590, 43.8757, 17.9142
YIQ	175.0730, 50.4820, -11.8060

Conversions

Conversions Part 2

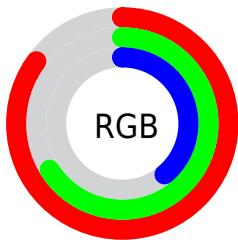
Format	Color
RYB	178, 216, 99
Decimal	14199139
CIELab	72.15, 9.06, 42.38
CIElCh	72, 43.342, 77.929
Yxy	43.8757, 0.4201, 0.4118
Android (android.graphics.Color)	4292389219 (0xFFD8A963)
YUV	175.0730, -37.5040, 35.8930
Hunter-Lab	66.2387, 4.6987, 30.3322

Details

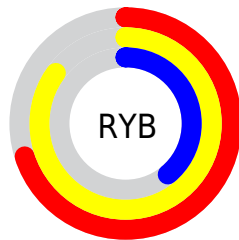
The XYZ color **44.7590, 43.8757, 17.9142** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.8187, 28.1672, 68.9361**, and the grayscale version is **40.9561, 43.0890, 46.9239**.

A 20% lighter version of the original color is **73.4816, 76.8057, 40.2302**, and **21.0376, 20.2220, 5.8120** is the 20% darker color. If you saturate the color by 10%, you get **42.3006, 40.3965, 12.6637**, and if you desaturate by 10%, it is **47.6028, 47.6839, 24.6565**.

Distribution



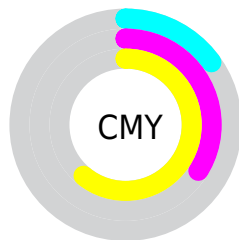
- Red (85%)
- Green (66%)
- Blue (39%)



- Red (70%)
- Yellow (85%)
- Blue (39%)



- Cyan (0%)
- Magenta (22%)
- Yellow (54%)
- Black (15%)



- Cyan (15%)
- Magenta (34%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.7590, 43.8757, 17.9142 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 44.7590, 43.8757, 17.9142 by changing the saturation by 10% instead.

■ 44.7590, 43.8757,
17.9142

■ 44.7590, 43.8757,
17.9142

356.5968,
362.2008, 252.6068

■ 31.4681, 30.5728,
10.7196

■ 81.5979, 81.0307,
40.7030

■ 21.1091, 20.2738,
5.7668

■ 105.8767,
105.6515, 57.1343

■ 13.3167, 12.5942,
2.6373

■ 134.5488,
134.8138, 77.4816

■ 7.7255, 7.1497,
0.9116

■ 167.9796,
168.9020, 102.1635

■ 3.9701, 3.5559,
0.0000

206.5344,
208.3003, 131.5984

■ 1.6852, 1.4284,
0.0000

250.5787,

■ 0.4470, 0.2375,

253.3933, 166.2049

0.0000

300.4777,
304.5654, 206.4015

■ 0.0000, 0.0000,
0.0000

■ 44.7590, 43.8757,
17.9142

■ 44.7590, 43.8757,
17.9142

■ 42.3006, 40.3965,
12.6637

■ 47.6028, 47.6839,
24.6565

■ 40.1999, 37.2267,
8.7828

■ 50.8508, 51.8266,
32.9942

■ 38.4296, 34.3538,
6.1342

■ 54.5244, 56.3173,
43.0249

■ 36.9558, 31.7607,
4.5501

■ 58.6422, 61.1665,
54.8373

■ 36.2007, 30.3627,
3.9526

■ 63.2215, 66.3839,
68.5140

■ 68.2788, 71.9792,
84.1323

■ 73.8296, 77.9613,
101.7653

■ 77.0639, 83.2090,
106.6070

■ 79.6569, 88.3951,
107.4713

Harmonies

Analogous

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



52.0151, 43.8757, 23.4023



44.7590, 43.8757, 17.9142



37.4617, 43.8757, 18.4822

Triad

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



44.7590, 43.8757, 17.9142



29.5442, 43.8757, 61.4922



53.2191, 43.8757, 80.7277

Complementary

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



44.7590, 43.8757, 17.9142



27.8187, 28.1672, 68.9361

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.



46.2519, 43.8757, 98.1685



44.7590, 43.8757, 17.9142



32.8519, 43.8757, 84.9904

Square

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



44.7590, 43.8757, 17.9142



29.2453, 43.8757, 39.7249



38.7885, 43.8757, 99.9261



57.2736, 43.8757, 56.8411

Rectangle

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



44.7590, 43.8757, 17.9142



33.5307, 43.8757, 22.2417



38.7885, 43.8757, 99.9261



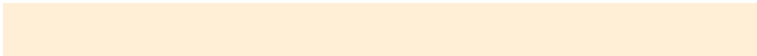
51.1046, 43.8757, 87.8096

Sweetspot

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



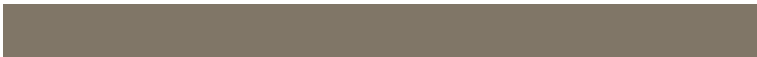
44.7601, 43.8778, 17.9151



84.1562, 87.6313, 76.2314



38.1064, 25.6532, 30.8569



17.7404, 18.4380, 15.5283



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.



44.7601, 43.8778, 17.9151



61.1276, 58.1333, 17.5054



52.3310, 63.1700, 21.2398



13.0350, 13.6441, 13.1073



21.5355, 18.1882, 2.3756



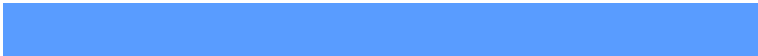
1.3790, 1.2572, 0.1700

Inverse Universe

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



27.8187, 28.1672, 68.9361



34.0532, 33.0749, 99.1970



23.1329, 17.1174, 67.0503



12.1479, 12.8193, 15.7716



9.4415, 7.1448, 39.3346



0.6494, 0.5908, 2.3991

Previews

White Background



This preview shows how the XYZ color 44.7590, 43.8757, 17.9142 looks on a white background.

Color Contrast Check

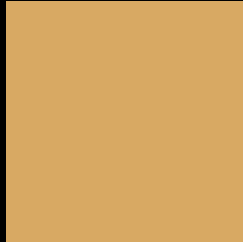
Large Text (above 18pt) WCAG AA × Fail

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 44.7590, 43.8757, 17.9142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

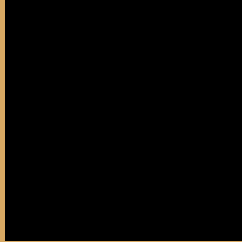
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.7590, 43.8757, 17.9142

Background



This preview shows how black text looks on a background with the XYZ color 44.7590, 43.8757, 17.9142.



This preview shows how white text looks on a background with the XYZ color 44.7590, 43.8757,

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

44.7590, 43.8757, 17.9142

Protanopia

40.3685, 43.8729, 18.9110

Deuteranopia

44.7590, 43.8757, 17.9142



Tritanopia

50.2378, 43.6883, 45.3200

Trichromacy



Original Color

44.7590, 43.8757, 17.9142

Protanomaly

41.8421, 43.7682, 18.5547

Deuteranomaly

44.7590, 43.8757, 17.9142

Tritanomaly

47.8007, 43.4854, 33.0683

Monochromacy



Original Color

44.7590, 43.8757, 17.9142

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

41.4452, 42.9409, 33.7078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7590, 43.8757, 17.9142 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(216, 169, 99)` looks like.

```
.text, #text, p{  
    color:rgb(216, 169, 99)  
}
```

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(216, 169, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 169, 99) }
```

Border

The CSS property to change the border of an element to XYZ 44.7590, 43.8757, 17.9142 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(216, 169, 99) }
```


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

```
.border{ border-color:rgb(216, 169, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 169, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 169, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 169, 99);  
box-shadow:4px 4px 4px 4px rgb(216, 169,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7590, 43.8757, 17.9142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 169, 99) }
```

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

```
.background{ background-color: rgb(216,  
169, 99) }
```

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