

Converting Colors

XYZ(42.8822, 38.7884, 15.5827)

Have a look what the booklet for
XYZ(42.8822, 38.7884, 15.5827)
contains.

- XYZ(42.8822, 38.7884, 15.5827) 3**
- Conversions* 4**
- Details* 6**
- Harmonies* 12**
- Previews* 24**
- Color Blindness Simulation* 28**
- CSS Examples* 31**

Color

**XYZ(42.8822, 38.7884,
15.5827)**

Conversions

Conversions Part 1

Format	Color
Hex	DC995D
RGB	220, 153, 93
RGB Percent	86%, 60%, 36%
CMY	0.1373, 0.4000, 0.6353
CMYK	0.00, 0.30, 0.58, 0.14
HSL	28°, 64%, 61%
HSV	28°, 58%, 86%
XYZ	42.8822, 38.7884, 15.5827
YIQ	166.1930, 59.1920, -4.4560

Conversions

Conversions Part 2

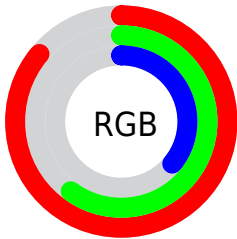
Format	Color
R _Y B	220, 207, 93
Decimal	14457181
CIE Lab	68.60, 18.84, 41.24
CIE LCh	69, 45.343, 65.448
Yxy	38.7884, 0.4409, 0.3988
Android (android.graphics.Color)	4292647261 (0xFFDC995D)
YUV	166.1930, -36.0841, 47.1887
Hunter-Lab	62.2803, 13.9129, 28.7617

Details

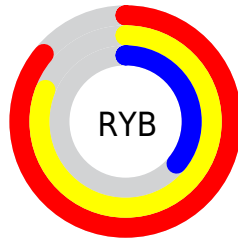
The XYZ color **42.8822, 38.7884, 15.5827** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **30.0026, 32.6345, 72.4276**, and the grayscale version is **36.4888, 38.3891, 41.8057**.

A 20% lighter version of the original color is **68.6637, 67.9300, 36.2809**, and **19.9039, 17.2617, 4.6657** is the 20% darker color. If you saturate the color by 10%, you get **40.2365, 34.8386, 10.5654**, and if you desaturate by 10%, it is **45.9948, 43.2237, 22.1390**.

Distribution



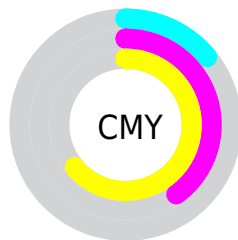
- Red (86%)
- Green (60%)
- Blue (36%)



- Red (86%)
- Yellow (81%)
- Blue (36%)



- Cyan (0%)
- Magenta (30%)
- Yellow (58%)
- Black (14%)



- Cyan (14%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8822, 38.7884, 15.5827 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 42.8822, 38.7884, 15.5827 by changing the saturation by 10% instead.

42.8822, 38.7884,
15.5827

42.8822, 38.7884,
15.5827

349.0568,
340.9900, 238.6276

29.9868, 26.5952,
9.0782

78.7899, 73.3150,
36.6289

19.9766, 17.2694,
4.6947

102.5329, 96.4171,
52.0076

12.4862, 10.4268,
2.0137

130.6225,
123.9242, 71.1816

7.1503, 5.6828,
0.5637

163.4241,
156.2209, 94.5692

3.6034, 2.6532,
0.0000

201.3029,
193.6914, 122.5891

1.4803, 0.9535,
0.0000

244.6244,

0.3124, 0.0000,

236.7201, 155.6597

0.0000

293.7539,
285.6916, 194.1997

■ 0.0000, 0.0000,
0.0000

■ 42.8822, 38.7884,
15.5827

■ 42.8822, 38.7884,
15.5827

■ 40.2365, 34.8386,
10.5654

■ 45.9948, 43.2237,
22.1390

■ 38.0249, 31.3482,
6.9526

■ 49.5984, 48.1575,
30.3488

■ 36.2137, 28.2963,
4.5901

■ 53.7184, 53.6093,
40.3180

■ 34.7569, 25.6555,
3.2637

■ 58.3776, 59.5957,
52.1432

■ 34.4599, 25.1053,
3.0296

■ 63.5971, 66.1323,
65.9138

■ 69.3970, 73.2341,
81.7132

■ 75.7960, 80.9155,
99.6203

■ 80.4749, 88.2552,
107.4012

■ 83.3251, 93.9556,
108.3513

Harmonies

Analogous

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



49.2444, 38.7884, 23.2611



42.8822, 38.7884, 15.5827



35.5767, 38.7884, 13.9063

Triad

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



42.8822, 38.7884, 15.5827



24.8010, 38.7884, 46.0854



45.4328, 38.7884, 83.1332

Complementary

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



42.8822, 38.7884, 15.5827



30.0026, 32.6345, 72.4276

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.



38.1886, 38.7884, 94.8305



42.8822, 38.7884, 15.5827



26.7599, 38.7884, 69.4443

Square

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



42.8822, 38.7884, 15.5827



25.7190, 38.7884, 27.8907



31.4428, 38.7884, 89.1467



50.8453, 38.7884, 60.8054

Rectangle

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



42.8822, 38.7884, 15.5827



31.2676, 38.7884, 15.7171



31.4428, 38.7884, 89.1467



43.0984, 38.7884, 88.7186

Sweetspot

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



42.8831, 38.7903, 15.5834



81.9734, 83.7834, 73.9075



39.8391, 25.6084, 36.4385



17.2481, 17.5553, 15.0498



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.



42.8831, 38.7903, 15.5834



55.6057, 47.7305, 13.6888



55.9869, 64.9980, 19.9514



13.5609, 14.0611, 13.7249



20.3341, 14.9537, 1.8146



1.4032, 1.1404, 0.1462

Inverse Universe

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



30.0026, 32.6345, 72.4276



36.0058, 38.3388, 100.1102



21.7290, 16.0874, 69.6697



12.9044, 13.7485, 16.6257



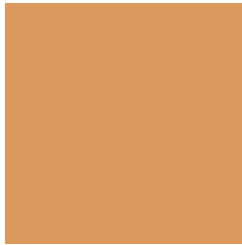
11.3631, 10.5957, 41.1847



0.8222, 0.8586, 2.6968

Previews

White Background



This preview shows how the XYZ color 42.8822, 38.7884, 15.5827 looks on a white background.

Color Contrast Check

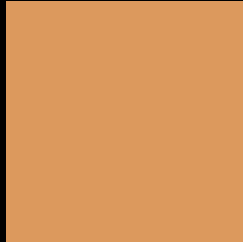
Large Text (above 18pt) WCAG AA × Fail

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 42.8822, 38.7884, 15.5827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

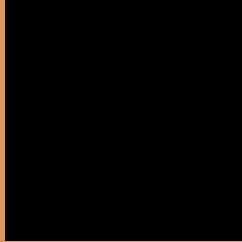
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8822, 38.7884, 15.5827

Background



This preview shows how black text looks on a background with the XYZ color 42.8822, 38.7884, 15.5827.



This preview shows how white text looks on a background with the XYZ color 42.8822, 38.7884,

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

42.8822, 38.7884, 15.5827

Protanopia

35.9744, 39.0775, 17.2019

Deuteranopia

39.6360, 38.8761, 15.3123



Tritanopia

47.1775, 38.6586, 36.4278

Trichromacy



Original Color

42.8822, 38.7884, 15.5827

Protanomaly

38.2345, 38.9092, 16.5614

Deuteranomaly

40.5671, 38.5883, 15.4354

Tritanomaly

45.2550, 38.5612, 27.2482

Monochromacy



Original Color

42.8822, 38.7884, 15.5827

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.6548, 37.7929, 29.7362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8822, 38.7884, 15.5827 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(220, 153, 93)` looks like.

```
.text, #text, p{  
    color:rgb(220, 153, 93)  
}
```

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(220, 153, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 153, 93) }
```

Border

The CSS property to change the border of an element to XYZ 42.8822, 38.7884, 15.5827 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(220, 153, 93) }
```


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

```
.border{ border-color:rgb(220, 153, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 153, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 153, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 153, 93);  
box-shadow:4px 4px 4px 4px rgb(220, 153,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8822, 38.7884, 15.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 153, 93) }
```

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

```
.background{ background-color: rgb(220,  
153, 93) }
```

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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