

Converting Colors

XYZ(38.2846, 38.4572, 14.4220)

Have a look what the booklet for
XYZ(38.2846, 38.4572, 14.4220)
contains.

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Color

**XYZ(38.2846, 38.4572,
14.4220)**

Conversions

Conversions Part 1

Format	Color
Hex	C8A157
RGB	200, 161, 87
RGB Percent	78%, 63%, 34%
CMY	0.2157, 0.3686, 0.6588
CMYK	0.00, 0.19, 0.56, 0.22
HSL	39°, 51%, 56%
HSV	39°, 56%, 78%
XYZ	38.2846, 38.4572, 14.4220
YIQ	164.2250, 46.9980, -14.7460

Conversions

Conversions Part 2

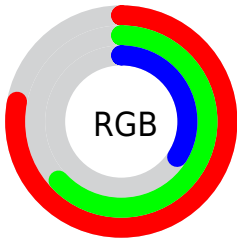
Format	Color
RYB	147, 200, 87
Decimal	13148503
CIELab	68.36, 5.66, 43.49
CIELCh	68, 43.858, 82.592
Yxy	38.4572, 0.4200, 0.4218
Android (android.graphics.Color)	4291338583 (0xFFC8A157)
YUV	164.2250, -38.0719, 31.3747
Hunter-Lab	62.0139, 1.6737, 29.6212

Details

The XYZ color **38.2846, 38.4572, 14.4220** 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 **21.8164, 21.1173, 57.5696**, and the grayscale version is **35.5547, 37.4063, 40.7354**.

A 20% lighter version of the original color is **70.4561, 72.2358, 34.6556**, and **17.2535, 17.1314, 4.2311** is the 20% darker color. If you saturate the color by 10%, you get **36.4052, 35.8300, 10.3076**, and if you desaturate by 10%, it is **40.4588, 41.3119, 19.7521**.

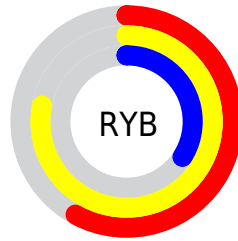
Distribution



Red (78%)

Green (63%)

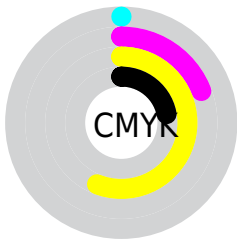
Blue (34%)



Red (58%)

Yellow (78%)

Blue (34%)

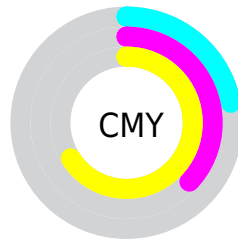


Cyan (0%)

Magenta (19%)

Yellow (56%)

Black (22%)



Cyan (22%)

Magenta (37%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2846, 38.4572, 14.4220 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 38.2846, 38.4572, 14.4220 by changing the saturation by 10% instead.

■ 38.2846, 38.4572,
14.4220

■ 38.2846, 38.4572,
14.4220

330.0990,
339.5772, 231.3595

■ 26.3819, 26.3377,
8.2727

■ 71.8452, 72.8084,
34.5638

■ 17.2437, 17.0765,
4.1796

■ 94.2338, 95.8088,
49.3933

■ 10.5048, 10.2890,
1.7244

■ 120.8485,
123.2051, 67.9533

■ 5.7997, 5.5910,
0.3774

■ 152.0544,
155.3816, 90.6624

■ 2.7632, 2.5980,
0.0000

■ 188.2171,
192.7226, 117.9390

■ 1.0298, 0.9257,
0.0000

229.7019,

■ 0.0000, 0.0000,

235.6126, 150.2017

0.0000

276.8741,
284.4360, 187.8690

■ 38.2846, 38.4572,
14.4220

■ 38.2846, 38.4572,
14.4220

■ 36.4052, 35.8300,
10.3076

■ 40.4588, 41.3119,
19.7521

■ 34.7976, 33.4148,
7.3052

■ 42.9430, 44.3973,
26.3856

■ 33.4391, 31.2024,
5.2973

■ 45.7547, 47.7235,
34.4046

■ 32.2998, 29.1789,
4.1308

■ 48.9089, 51.2981,
43.8840

■ 31.9332, 28.5070,
3.8193

■ 52.4197, 55.1284,
54.8929

■ 56.3004, 59.2210,
67.4962

■ 60.5633, 63.5826,
81.7551

■ 65.2204, 68.2193,
97.7274

■ 68.2895, 72.3397,
104.9715

Harmonies

Analogous

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



45.1909, 38.4572, 18.4154



38.2846, 38.4572, 14.4220



31.7030, 38.4572, 15.7327

Triad

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



38.2846, 38.4572, 14.4220



25.6499, 38.4572, 58.1766



48.0977, 38.4572, 69.3590

Complementary

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



38.2846, 38.4572, 14.4220



21.8164, 21.1173, 57.5696

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.



41.8728, 38.4572, 87.4888



38.2846, 38.4572, 14.4220



29.0915, 38.4572, 79.7462

Square

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



38.2846, 38.4572, 14.4220



24.9422, 38.4572, 37.1763



34.8733, 38.4572, 91.7912



51.3005, 38.4572, 46.9502

Rectangle

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



38.2846, 38.4572, 14.4220



28.3117, 38.4572, 19.7184



34.8733, 38.4572, 91.7912



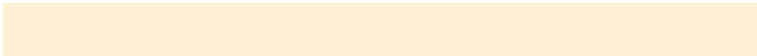
46.2546, 38.4572, 76.4107

Sweetspot

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



38.2855, 38.4590, 14.4228



84.2515, 88.3397, 74.6669



31.0293, 20.6167, 22.2697



17.7865, 18.6322, 15.2293



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.



38.2855, 38.4590, 14.4228



62.2991, 60.9656, 16.3871



41.9150, 52.0700, 16.8587



11.2039, 11.7769, 11.2454



20.3906, 18.2983, 2.4572



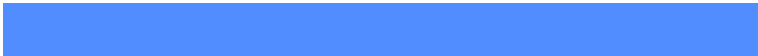
1.0311, 0.9977, 0.1382

Inverse Universe

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



21.8164, 21.1173, 57.5696



31.0847, 28.1754, 98.4078



19.5370, 13.9270, 56.3019



10.3510, 10.8760, 13.4712



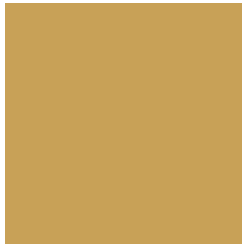
8.0585, 5.5109, 35.3833



0.4493, 0.3963, 1.6980

Previews

White Background



This preview shows how the XYZ color 38.2846, 38.4572, 14.4220 looks on a white background.

Color Contrast Check

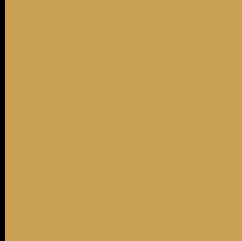
Large Text (above 18pt) WCAG AA × Fail

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 38.2846, 38.4572, 14.4220 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 38.2846, 38.4572, 14.4220

Background



This preview shows how black text looks on a background with the XYZ color 38.2846, 38.4572, 14.4220.



This preview shows how white text looks on a background with the XYZ color 38.2846, 38.4572,

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

38.2846, 38.4572, 14.4220

Protanopia

35.3891, 38.5490, 15.0267

Deuteranopia

39.2953, 38.4635, 14.3699



Tritanopia

43.6612, 38.4022, 40.2331

Trichromacy



Original Color

38.2846, 38.4572, 14.4220

Protanomaly

36.4518, 38.5620, 14.7545

Deuteranomaly

38.9197, 38.5262, 14.4018

Tritanomaly

41.0671, 38.0576, 28.4739

Monochromacy



Original Color

38.2846, 38.4572, 14.4220

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.6726, 37.3191, 28.6157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2846, 38.4572, 14.4220 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(200, 161, 87)` looks like.

```
.text, #text, p{  
    color:rgb(200, 161, 87)  
}
```

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(200, 161, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 161, 87) }
```

Border

The CSS property to change the border of an element to XYZ 38.2846, 38.4572, 14.4220 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(200, 161, 87) }
```


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

```
.border{ border-color:rgb(200, 161, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 161, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 161, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 161, 87);  
box-shadow:4px 4px 4px 4px rgb(200, 161,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2846, 38.4572, 14.4220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 161, 87) }
```

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

```
.background{ background-color: rgb(200,  
161, 87) }
```

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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