

Converting Colors

XYZ(42.1386, 39.5549, 19.8819)

Have a look what the booklet for
XYZ(42.1386, 39.5549, 19.8819)
contains.

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Color

**XYZ(42.1386, 39.5549,
19.8819)**

Conversions

Conversions Part 1

Format	Color
Hex	D49E6D
RGB	212, 158, 109
RGB Percent	83%, 62%, 43%
CMY	0.1686, 0.3804, 0.5725
CMYK	0.00, 0.25, 0.49, 0.17
HSL	29°, 54%, 63%
HSV	29°, 49%, 83%
XYZ	42.1386, 39.5549, 19.8819
YIQ	168.5600, 47.9130, -3.7910

Conversions

Conversions Part 2

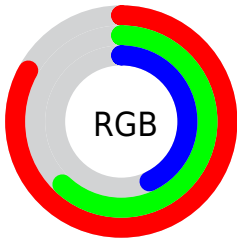
Format	Color
R_{YB}	212, 202, 109
Decimal	13934189
CIE _{Lab}	69.15, 14.22, 33.35
CIE _{LCh}	69, 36.255, 66.899
Yxy	39.5549, 0.4149, 0.3894
Android (android.graphics.Color)	4292124269 (0xFFD49E6D)
YUV	168.5600, -29.3631, 38.0969
Hunter-Lab	62.8927, 9.5342, 25.2819

Details

The XYZ color **42.1386, 39.5549, 19.8819** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.2870, 34.1977, 67.2391**, and the grayscale version is **37.6194, 39.5785, 43.1010**.

A 20% lighter version of the original color is **71.4673, 71.4217, 43.7373**, and **19.5909, 17.8102, 6.6801** is the 20% darker color. If you saturate the color by 10%, you get **39.3215, 35.5322, 13.9754**, and if you desaturate by 10%, it is **45.4043, 44.0344, 27.2965**.

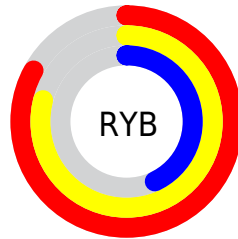
Distribution



Red (83%)

Green (62%)

Blue (43%)



Red (83%)

Yellow (79%)

Blue (43%)

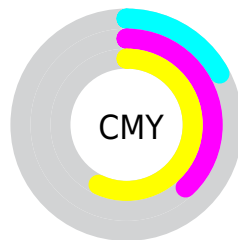


Cyan (0%)

Magenta (25%)

Yellow (49%)

Black (17%)



Cyan (17%)

Magenta (38%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1386, 39.5549, 19.8819 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 42.1386, 39.5549, 19.8819 by changing the saturation by 10% instead.

42.1386, 39.5549,
19.8819

42.1386, 39.5549,
19.8819

346.0390,
344.2440, 263.8581

29.4014, 27.1917,
12.1260

77.6732, 74.4853,
44.0755

19.5305, 17.7172,
6.7060

101.2013, 97.8212,
61.3502

12.1605, 10.7472,
3.2033

129.0571,
125.5834, 82.6350

6.9261, 5.8971,
1.1993

161.6060,
158.1565, 108.3483

3.4618, 2.7826,
0.0000

199.2133,
195.9246, 138.9087

1.4024, 1.0193,
0.0000

242.2443,

0.2580, 0.0000,

239.2723, 174.7348

0.0000

291.0644,
288.5840, 216.2451

■ 0.0000, 0.0000,
0.0000

■ 42.1386, 39.5549,
19.8819

■ 42.1386, 39.5549,
19.8819

■ 39.3215, 35.5322,
13.9754

■ 45.4043, 44.0344,
27.2965

■ 36.9255, 31.9435,
9.4673

■ 49.1382, 48.9810,
36.3139

■ 34.9240, 28.7721,
6.2362


■ 53.3621, 54.4116,
47.0233


■ 33.2852, 25.9975,
4.1389


■ 58.0953, 60.3404,
59.5071

■ 31.9623, 23.5926,
2.9554


■ 63.3561, 66.7809,
73.8418

 31.7919, 23.2780,
2.8175

 69.1617, 73.7463,
90.0997

 75.1394, 81.0932,
106.3000

 78.4359, 87.6861,
107.3988

 80.9614, 92.7370,
108.2407

Harmonies

Analogous

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



47.2274, 39.5549, 26.6117



42.1386, 39.5549, 19.8819



36.2734, 39.5549, 18.5238

Triad

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



42.1386, 39.5549, 19.8819



27.5846, 39.5549, 47.0157



44.6893, 39.5549, 73.9550

Complementary

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



42.1386, 39.5549, 19.8819



31.2870, 34.1977, 67.2391

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.



38.9498, 39.5549, 83.1444



42.1386, 39.5549, 19.8819



29.3716, 39.5549, 65.2060

Square

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



42.1386, 39.5549, 19.8819



28.2511, 39.5549, 31.7234



33.3917, 39.5549, 79.5877



48.8025, 39.5549, 56.8397

Rectangle

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



42.1386, 39.5549, 19.8819



32.7774, 39.5549, 20.4204



33.3917, 39.5549, 79.5877



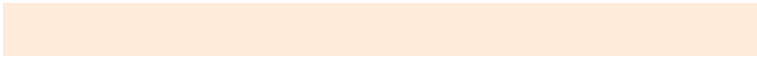
42.8646, 39.5549, 78.2498

Sweetspot

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



42.1396, 39.5568, 19.8827



83.4254, 85.6439, 77.6092



39.3151, 27.6126, 38.3484



17.5381, 17.9299, 15.7801



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.



42.1396, 39.5568, 19.8827



59.7137, 53.9527, 21.2042



52.6060, 60.4898, 23.3715



12.9057, 13.3857, 13.0642



19.7257, 14.5686, 1.7724



1.2723, 1.0438, 0.1344

Inverse Universe

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



31.2870, 34.1977, 67.2391



41.3977, 44.8966, 101.0918



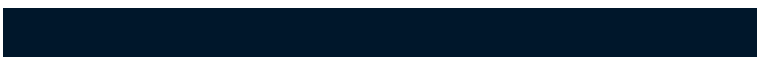
24.0328, 19.6893, 64.8211



12.2759, 13.0753, 15.8143



10.9559, 10.1735, 39.8394



0.7435, 0.7789, 2.4305

Previews

White Background



This preview shows how the XYZ color 42.1386, 39.5549, 19.8819 looks on a white background.

Color Contrast Check

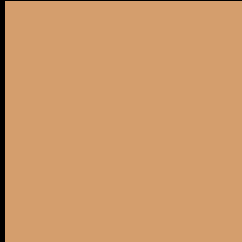
Large Text (above 18pt) WCAG AA × Fail

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 42.1386, 39.5549, 19.8819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

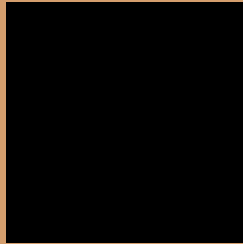
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1386, 39.5549, 19.8819

Background



This preview shows how black text looks on a background with the XYZ color 42.1386, 39.5549, 19.8819.



This preview shows how white text looks on a background with the XYZ color 42.1386, 39.5549,

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

42.1386, 39.5549, 19.8819

Protanopia

36.6970, 39.6355, 21.3391

Deuteranopia

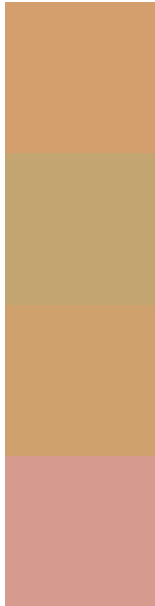
40.5289, 39.7607, 19.7258



Tritanopia

46.2927, 39.5293, 39.8404

Trichromacy



Original Color

42.1386, 39.5549, 19.8819

Protanomaly

38.6279, 39.5495, 20.9271

Deuteranomaly

41.1838, 39.8378, 19.7062

Tritanomaly

44.5379, 39.5414, 31.2715

Monochromacy



Original Color

42.1386, 39.5549, 19.8819

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.7292, 39.3311, 33.1542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1386, 39.5549, 19.8819 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(212, 158, 109)` looks like.

```
.text, #text, p{  
    color:rgb(212, 158, 109)  
}
```

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(212, 158, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 158, 109) }
```

Border

The CSS property to change the border of an element to XYZ 42.1386, 39.5549, 19.8819 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(212, 158, 109) }
```


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

```
.border{ border-color:rgb(212, 158, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 158, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 158, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 158, 109);  
box-shadow:4px 4px 4px 4px rgb(212, 158,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1386, 39.5549, 19.8819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 158, 109) }
```

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

```
.background{ background-color: rgb(212,  
158, 109) }
```

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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