

Converting Colors

XYZ(45.7196, 40.6974, 19.3960)

Have a look what the booklet for
XYZ(45.7196, 40.6974, 19.3960)
contains.

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Color

**XYZ(45.7392, 40.6730,
19.3499)**

Conversions

Conversions Part 1

Format	Color
Hex	E29B6B
RGB	226, 155, 107
RGB Percent	89%, 61%, 42%
CMY	0.1137, 0.3921, 0.5804
CMYK	0.00, 0.31, 0.53, 0.11
HSL	24°, 67%, 65%
HSV	24°, 53%, 89%
XYZ	45.7392, 40.6730, 19.3499
YIQ	170.7570, 57.7240, 0.1240

Conversions

Conversions Part 2

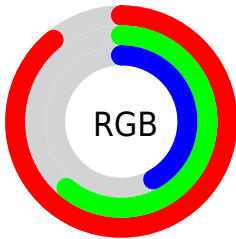
Format	Color
R _Y B	226, 187, 107
Decimal	14850923
CIE Lab	69.95, 21.36, 35.74
CIE LCh	70, 41.637, 59.132
Yxy	40.6730, 0.4325, 0.3846
Android (android.graphics.Color)	4293041003 (0xFFE29B6B)
YUV	170.7570, -31.4322, 48.4481
Hunter-Lab	63.7754, 16.4119, 26.6538

Details

The XYZ color **45.7392, 40.6730, 19.3499** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.7104, 40.4556, 77.8777**, and the grayscale version is **38.7201, 40.7366, 44.3621**.

A 20% lighter version of the original color is **70.5446, 69.8564, 42.5664**, and **21.6504, 18.4216, 6.4176** is the 20% darker color. If you saturate the color by 10%, you get **42.5821, 36.0195, 13.1784**, and if you desaturate by 10%, it is **49.4596, 45.9559, 27.2428**.

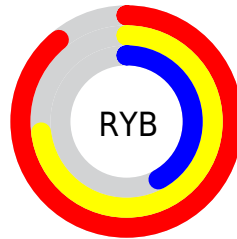
Distribution



Red (89%)

Green (61%)

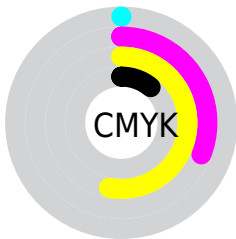
Blue (42%)



Red (89%)

Yellow (73%)

Blue (42%)

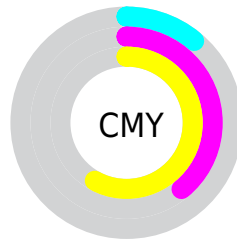


Cyan (0%)

Magenta (31%)

Yellow (53%)

Black (11%)



Cyan (11%)


Magenta (39%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7392, 40.6730, 19.3499 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 45.7392, 40.6730, 19.3499 by changing the saturation by 10% instead.


 45.7392, 40.6730,
19.3499


 45.7392, 40.6730,
19.3499


360.4927,
348.9521, 260.8604


 32.2438, 28.0637,
11.7440


 83.0588, 76.1872,
43.1691


 21.7042, 18.3737,
6.4492


 107.6137, 99.8609,
60.2194

 13.7551, 11.2186,
3.0469


 136.5859,
127.9916, 81.2550

 8.0311, 6.2141,
1.1186

 170.3407,
160.9635, 106.6944

 4.1668, 2.9757,
0.0000

209.2434,
199.1611, 136.9561

 1.7969, 1.1190,
0.0000

253.6594,

 0.5158, 0.0000,

242.9688, 172.4586

0.0000

303.9540,
292.7710, 213.6206

■ 0.0000, 0.0000,
0.0000

■ 45.7392, 40.6730,
19.3499

■ 45.7392, 40.6730,
19.3499

■ 42.5821, 36.0195,
13.1784

■ 49.4596, 45.9559,
27.2428

■ 39.9524, 31.9632,
8.5928

■ 53.7702, 51.8868,
36.9736

■ 37.8138, 28.4772,
5.4407

■ 58.6995, 58.4905,
48.6513

■ 36.1229, 25.5297,
3.5380

■ 64.2733, 65.7889,
62.3758

■ 35.1195, 23.6799,
2.7197

■ 70.5156, 73.8026,
78.2399

■ 77.4492, 82.5513,
96.3308

■ 83.4093, 91.3795,
107.8496

■ 85.1739, 94.9087,
108.4378

Harmonies

Analogous

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



51.1988, 40.6730, 28.4850



45.7392, 40.6730, 19.3499



38.8563, 40.6730, 16.4643

Triad

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



45.7392, 40.6730, 19.3499



27.0349, 40.6730, 43.7229



45.3577, 40.6730, 85.5526

Complementary

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



45.7392, 40.6730, 19.3499



35.7104, 40.4556, 77.8777

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.



38.4613, 40.6730, 93.0815



45.7392, 40.6730, 19.3499



28.3538, 40.6730, 65.0588

Square

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



45.7392, 40.6730, 19.3499



28.5147, 40.6730, 27.7614



32.3490, 40.6730, 84.6785



50.9610, 40.6730, 66.3328

Rectangle

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



45.7392, 40.6730, 19.3499



34.5418, 40.6730, 17.5512



32.3490, 40.6730, 84.6785



43.0899, 40.6730, 89.7459

Sweetspot

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



45.7402, 40.6750, 19.3507



81.8837, 83.0864, 75.4739



44.6979, 29.9149, 45.7489



17.1995, 17.3562, 15.3480



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.



45.7402, 40.6750, 19.3507



55.7013, 46.9249, 16.7938



58.0896, 65.3739, 23.4672



14.1588, 14.6037, 14.3793



20.1451, 13.7281, 1.5880



1.4825, 1.1238, 0.1388

Inverse Universe

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



35.7104, 40.4556, 77.8777



41.1573, 46.5287, 101.4195



26.3761, 21.7871, 74.7663



13.6286, 14.5963, 17.4867



12.8801, 13.2298, 42.9231



0.9799, 1.0912, 3.0042

Previews

White Background



This preview shows how the XYZ color 45.7392, 40.6730, 19.3499 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 45.7392, 40.6730, 19.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

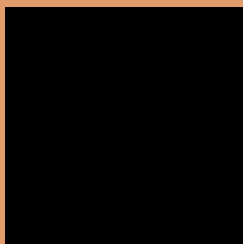
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.7392, 40.6730, 19.3499

Background



This preview shows how black text looks on a background with the XYZ color 45.7392, 40.6730, 19.3499.



This preview shows how white text looks on a background with the XYZ color 45.7392, 40.6730,

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

45.7392, 40.6730, 19.3499

Protanopia

37.7932, 40.7572, 21.4978

Deuteranopia

41.5574, 40.8362, 19.0565



Tritanopia

49.4810, 40.5060, 38.0114

Trichromacy



Original Color

45.7392, 40.6730, 19.3499

Protanomaly

40.4118, 40.4755, 20.7215

Deuteranomaly

43.0779, 40.8265, 19.2455

Tritanomaly

48.1133, 40.6847, 30.1280

Monochromacy



Original Color

45.7392, 40.6730, 19.3499

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

40.2863, 40.1248, 33.6385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7392, 40.6730, 19.3499 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(226, 155, 107)` looks like.

```
.text, #text, p{  
    color:rgb(226, 155, 107)  
}
```

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(226, 155, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 155, 107) }
```

Border

The CSS property to change the border of an element to XYZ 45.7392, 40.6730, 19.3499 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(226, 155, 107) }
```


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

```
.border{ border-color:rgb(226, 155, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 155, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 155, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 155, 107);  
box-shadow:4px 4px 4px 4px rgb(226, 155,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7392, 40.6730, 19.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 155, 107) }
```

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

```
.background{ background-color: rgb(226,  
155, 107) }
```

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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