

Converting Colors

XYZ(40.5742, 40.0936, 17.6572)

Have a look what the booklet for
XYZ(40.5742, 40.0936, 17.6572)
contains.

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Color

**XYZ(40.5743, 40.0936,
17.6569)**

Conversions

Conversions Part 1

Format	Color
Hex	CDA364
RGB	205, 163, 100
RGB Percent	80%, 64%, 39%
CMY	0.1961, 0.3608, 0.6078
CMYK	0.00, 0.20, 0.51, 0.20
HSL	36°, 51%, 60%
HSV	36°, 51%, 80%
XYZ	40.5743, 40.0936, 17.6569
YIQ	168.3760, 45.2550, -10.6890

Conversions

Conversions Part 2

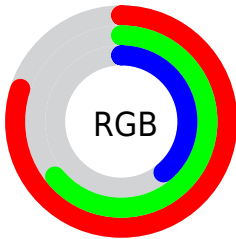
Format	Color
R _Y B	170, 205, 100
Decimal	13476708
CIE Lab	69.54, 7.79, 38.41
CIE LCh	70, 39.194, 78.538
Yxy	40.0936, 0.4127, 0.4078
Android (android.graphics.Color)	4291666788 (0xFFCDA364)
YUV	168.3760, -33.7094, 32.1192
Hunter-Lab	63.3195, 3.5713, 27.7904

Details

The XYZ color **40.5743, 40.0936, 17.6569** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.9476, 26.4621, 61.4976**, and the grayscale version is **37.5502, 39.5058, 43.0218**.

A 20% lighter version of the original color is **71.9789, 73.6698, 40.1318**, and **18.4947, 17.9038, 5.6130** is the 20% darker color. If you saturate the color by 10%, you get **38.2955, 36.9292, 12.6029**, and if you desaturate by 10%, it is **43.1991, 43.5505, 24.0586**.

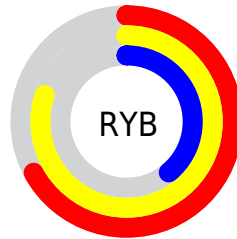
Distribution



Red (80%)

Green (64%)

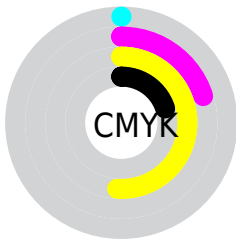
Blue (39%)



Red (67%)

Yellow (80%)

Blue (39%)

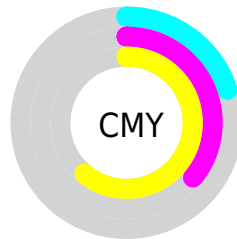


Cyan (0%)

Magenta (20%)

Yellow (51%)

Black (20%)



Cyan (20%)


Magenta (36%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5743, 40.0936, 17.6569 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 40.5743, 40.0936, 17.6569 by changing the saturation by 10% instead.


 40.5743, 40.0936,
17.6569


 40.5743, 40.0936,
17.6569


339.6313,
346.5179, 251.1008

 28.1728, 27.6115,
10.5371


 75.3160, 75.3060,
40.2578


 18.5971, 18.0330,
5.6462


 98.3870, 98.8052,
56.5760

 11.4818, 10.9737,
2.5659


 125.7451,
126.7455, 76.7973

 6.4615, 6.0492,
0.8748

 157.7559,
159.5113, 101.3404

 3.1710, 2.8750,
0.0000

194.7845,
197.4871, 130.6238

 1.2448, 1.0668,
0.0000

237.1963,

 0.1413, 0.0000,

241.0572, 165.0659

0.0000

285.3568,
290.6060, 205.0854

■ 0.0000, 0.0000,
0.0000

■ 40.5743, 40.0936,
17.6569

■ 40.5743, 40.0936,
17.6569

■ 38.2955, 36.9292,
12.6029

■ 43.1991, 43.5505,
24.0586

■ 36.3390, 34.0404,
8.7931

■ 46.1857, 47.3044,
31.8964

■ 34.6819, 31.4166,
6.1125

■ 49.5526, 51.3669,
41.2537

■ 33.2965, 29.0437,
4.4234

■ 53.3157, 55.7470,
52.2071

■ 32.2609, 27.1473,
3.5396

■ 57.4900, 60.4533,
64.8277

■ 62.0898, 65.4938,
79.1823

■ 67.1284, 70.8766,
95.3343

■ 71.1350, 76.0155,
105.5310

■ 73.4522, 80.6500,
106.3034

Harmonies

Analogous

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



46.7345, 40.0936, 22.4218



40.5743, 40.0936, 17.6569



34.3731, 40.0936, 18.2719

Triad

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



40.5743, 40.0936, 17.6569



27.7075, 40.0936, 55.6821



47.9601, 40.0936, 70.9944

Complementary

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



40.5743, 40.0936, 17.6569



25.9476, 26.4621, 61.4976

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.



42.1036, 40.0936, 85.6687



40.5743, 40.0936, 17.6569



30.6139, 40.0936, 75.2779

Square

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



40.5743, 40.0936, 17.6569



27.3948, 40.0936, 37.0972



35.7433, 40.0936, 87.4230



51.3026, 40.0936, 50.9437

Rectangle

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



40.5743, 40.0936, 17.6569



31.0264, 40.0936, 21.6974



35.7433, 40.0936, 87.4230



46.1921, 40.0936, 76.9320

Sweetspot

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



40.5753, 40.0955, 17.6577



84.8042, 88.4014, 78.0688



34.6167, 24.0468, 28.4086



17.8701, 18.5938, 15.8908



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.



40.5753, 40.0955, 17.6577



62.5366, 60.2153, 20.2442



46.5083, 56.1183, 20.4377



11.7628, 12.3145, 11.8364



20.1788, 17.0906, 2.2353



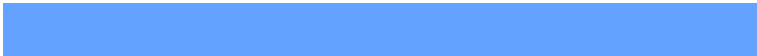
1.1140, 1.0277, 0.1397

Inverse Universe

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



25.9476, 26.4621, 61.4976



36.1059, 35.6202, 99.5801



22.0698, 16.8697, 59.8505



10.9638, 11.5681, 14.2254



8.8254, 6.6747, 36.7795



0.5290, 0.4917, 1.9220

Previews

White Background



This preview shows how the XYZ color 40.5743, 40.0936, 17.6569 looks on a white background.

Color Contrast Check

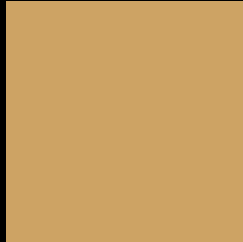
Large Text (above 18pt) WCAG AA × Fail

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 40.5743, 40.0936, 17.6569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

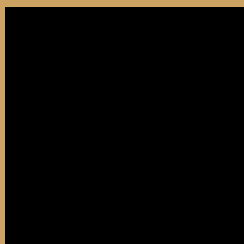
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.5743, 40.0936, 17.6569

Background



This preview shows how black text looks on a background with the XYZ color 40.5743, 40.0936, 17.6569.



This preview shows how white text looks on a background with the XYZ color 40.5743, 40.0936,

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

40.5743, 40.0936, 17.6569

Protanopia

37.0726, 40.1678, 18.6312

Deuteranopia

40.9527, 40.0262, 17.6240



Tritanopia

45.5604, 40.0816, 41.8944

Trichromacy



Original Color

40.5743, 40.0936, 17.6569

Protanomaly

38.2093, 39.9342, 18.2646

Deuteranomaly

40.6742, 39.8826, 17.6109

Tritanomaly

43.4793, 39.9922, 31.4143

Monochromacy



Original Color

40.5743, 40.0936, 17.6569

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.6502, 39.0794, 31.5453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5743, 40.0936, 17.6569 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(205, 163, 100)` looks like.

```
.text, #text, p{  
    color:rgb(205, 163, 100)  
}
```

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(205, 163, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 163, 100) }
```

Border

The CSS property to change the border of an element to XYZ 40.5743, 40.0936, 17.6569 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(205, 163, 100) }
```


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

```
.border{ border-color:rgb(205, 163, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 163, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 163, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 163, 100);  
box-shadow:4px 4px 4px 4px rgb(205, 163,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5743, 40.0936, 17.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 163, 100) }
```

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

```
.background{ background-color: rgb(205,  
163, 100) }
```

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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