

Converting Colors

XYZ(36.7489, 38.4007, 15.2372)

Have a look what the booklet for
XYZ(36.7489, 38.4007, 15.2372)
contains.

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Color

**XYZ(36.8592, 38.4956,
15.1606)**

Conversions

Conversions Part 1

Format	Color
Hex	C0A45A
RGB	192, 164, 90
RGB Percent	75%, 64%, 35%
CMY	0.2471, 0.3568, 0.6470
CMYK	0.00, 0.15, 0.53, 0.25
HSL	44°, 45%, 55%
HSV	44°, 53%, 75%
XYZ	36.8592, 38.4956, 15.1606
YIQ	163.9360, 40.4420, -17.0780

Conversions

Conversions Part 2

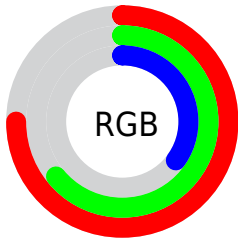
Format	Color
RYB	129, 192, 90
Decimal	12624986
CIELab	68.38, 0.89, 41.83
CIELCh	68, 41.839, 88.776
Yxy	38.4956, 0.4072, 0.4253
Android (android.graphics.Color)	4290815066 (0xFFC0A45A)
YUV	163.9360, -36.4504, 24.6121
Hunter-Lab	62.0448, -2.5363, 28.9439

Details

The XYZ color **36.8592, 38.4956, 15.1606** 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 **20.2092, 18.9357, 52.4589**, and the grayscale version is **35.4115, 37.2556, 40.5714**.

A 20% lighter version of the original color is **69.6383, 72.9400, 35.9997**, and **16.4587, 17.2046, 4.5512** is the 20% darker color. If you saturate the color by 10%, you get **35.2219, 36.3642, 11.0906**, and if you desaturate by 10%, it is **38.7486, 40.7932, 20.3568**.

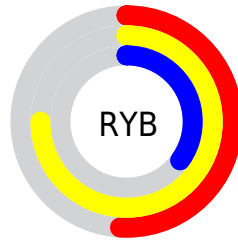
Distribution



Red (75%)

Green (64%)

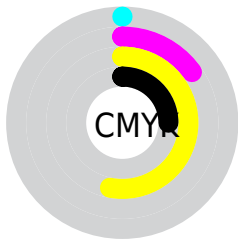
Blue (35%)



Red (51%)

Yellow (75%)

Blue (35%)

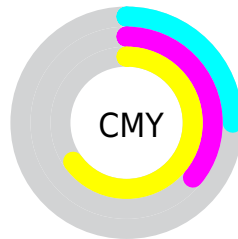


Cyan (0%)

Magenta (15%)

Yellow (53%)

Black (25%)



Cyan (25%)


Magenta (36%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8592, 38.4956, 15.1606 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 36.8592, 38.4956, 15.1606 by changing the saturation by 10% instead.


 36.8592, 38.4956,
15.1606


 36.8592, 38.4956,
15.1606


324.0667,
339.7412, 236.0104

 25.2717, 26.3676,
8.7843


 69.6714, 72.8671,
35.8810

 16.4094, 17.0988,
4.5059


 91.6268, 95.8794,
51.0621

 9.9070, 10.3050,
1.9068


 117.7689,
123.2886, 70.0153

 5.3991, 5.6016,
0.4970

 148.4630,
155.4790, 93.1590

 2.5204, 2.6044,
0.0000

184.0744,
192.8351, 120.9118

 0.9056, 0.9289,
0.0000

224.9686,

 0.0000, 0.0000,

235.7412, 153.6923

0.0000

271.5109,
284.5818, 191.9190

■ 36.8592, 38.4956,
15.1606

■ 36.8592, 38.4956,
15.1606

■ 35.2219, 36.3642,
11.0906

■ 38.7486, 40.7932,
20.3568

■ 33.8167, 34.3860,
8.0569

■ 40.9025, 43.2585,
26.7551

■ 32.6251, 32.5543,
5.9594

■ 43.3358, 45.8996,
34.4276

■ 31.6235, 30.8588,
4.6773

■ 46.0615, 48.7222,
43.4400

■ 31.0147, 29.7595,
4.1095

■ 49.0915, 51.7320,
53.8535

■ 52.4371, 54.9342,
65.7253

■ 56.1091, 58.3336,
79.1095

■ 60.1175, 61.9350,
94.0577

■ 63.1901, 65.2302,
103.8680

Harmonies

Analogous

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



43.5322, 38.4956, 17.9734



36.8592, 38.4956, 15.1606



30.8411, 38.4956, 17.5379

Triad

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



36.8592, 38.4956, 15.1606



26.6002, 38.4956, 61.8437



48.4832, 38.4956, 63.5933

Complementary

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



36.8592, 38.4956, 15.1606



20.2092, 18.9357, 52.4589

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.



43.0099, 38.4956, 82.2704



36.8592, 38.4956, 15.1606



30.4262, 38.4956, 81.0658

Square

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



36.8592, 38.4956, 15.1606



25.3616, 38.4956, 41.1477



36.3200, 38.4956, 89.4578



50.7197, 38.4956, 42.6921

Rectangle

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



36.8592, 38.4956, 15.1606



27.8901, 38.4956, 22.3160



36.3200, 38.4956, 89.4578



46.9310, 38.4956, 70.5463

Sweetspot

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



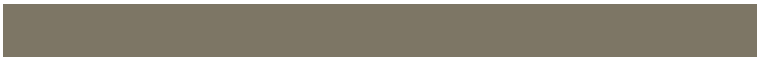
36.8601, 38.4974, 15.1614



81.8557, 86.6441, 73.3276



28.7184, 19.8487, 19.7393



17.3391, 18.3593, 14.9956



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.8601, 38.4974, 15.1614



63.3045, 65.1873, 18.9107



37.2512, 46.9724, 16.7766



10.6721, 11.2757, 10.6758



20.9373, 20.1604, 2.7878



0.9597, 0.9812, 0.1388

Inverse Universe

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



20.2092, 18.9357, 52.4589



29.9584, 26.0794, 93.8151



19.8658, 14.5699, 51.6343



9.7483, 10.1879, 12.7375



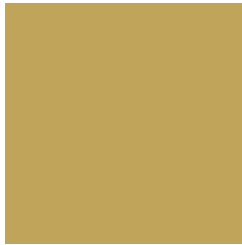
7.3063, 4.3692, 34.0149



0.3754, 0.3082, 1.4896

Previews

White Background



This preview shows how the XYZ color 36.8592, 38.4956, 15.1606 looks on a white background.

Color Contrast Check

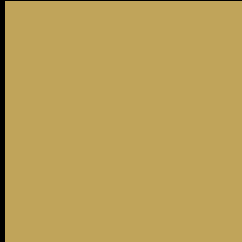
Large Text (above 18pt) WCAG AA × Fail

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 36.8592, 38.4956, 15.1606 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 36.8592, 38.4956, 15.1606

Background



This preview shows how black text looks on a background with the XYZ color 36.8592, 38.4956, 15.1606.



This preview shows how white text looks on a background with the XYZ color 36.8592, 38.4956,

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

36.8592, 38.4956, 15.1606

Protanopia

35.4742, 38.5831, 15.4751

Deuteranopia

39.1883, 38.3890, 15.2419



Tritanopia

42.2496, 38.3748, 41.7395

Trichromacy



Original Color

36.8592, 38.4956, 15.1606

Protanomaly

36.0181, 38.5926, 15.4483

Deuteranomaly

38.4526, 38.5244, 15.3068

Tritanomaly

39.6520, 38.0536, 29.6813

Monochromacy



Original Color

36.8592, 38.4956, 15.1606

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.2464, 37.3557, 29.0196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8592, 38.4956, 15.1606 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(192, 164, 90)` looks like.

```
.text, #text, p{  
    color:rgb(192, 164, 90)  
}
```

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(192, 164, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 164, 90) }
```

Border

The CSS property to change the border of an element to XYZ 36.8592, 38.4956, 15.1606 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(192, 164, 90) }
```


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

```
.border{ border-color:rgb(192, 164, 90) }
```

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

Here you see how a box with a 4 pixel rgb(192, 164, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 164, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 164, 90);  
box-shadow:4px 4px 4px 4px rgb(192, 164,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8592, 38.4956, 15.1606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 164, 90) }
```

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

```
.background{ background-color: rgb(192,  
164, 90) }
```

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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