

Converting Colors

XYZ(39.0030, 36.7477, 17.2523)

Have a look what the booklet for
XYZ(39.0030, 36.7477, 17.2523)
contains.

XYZ(38.9170, 36.7012, 17.3448)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.9170, 36.7012,
17.3448)**

Conversions

Conversions Part 1

Format	Color
Hex	CD9965
RGB	205, 153, 101
RGB Percent	80%, 60%, 40%
CMY	0.1961, 0.4000, 0.6039
CMYK	0.00, 0.25, 0.51, 0.20
HSL	30°, 51%, 60%
HSV	30°, 51%, 80%
XYZ	38.9170, 36.7012, 17.3448
YIQ	162.6200, 47.6840, -5.1480

Conversions

Conversions Part 2

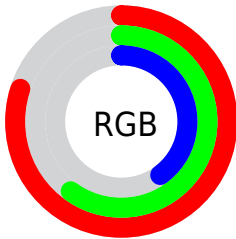
Format	Color
R _Y B	205, 205, 101
Decimal	13474149
CIE Lab	67.05, 13.30, 34.78
CIE LCh	67, 37.232, 69.074
Yxy	36.7012, 0.4186, 0.3948
Android (android.graphics.Color)	4291664229 (0xFFCD9965)
YUV	162.6200, -30.3787, 37.1673
Hunter-Lab	60.5815, 8.6491, 25.4320

Details

The XYZ color **38.9170, 36.7012, 17.3448** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **27.7769, 29.9556, 62.0753**, and the grayscale version is **34.7573, 36.5674, 39.8218**.

A 20% lighter version of the original color is **69.3026, 68.1856, 39.6455**, and **17.6067, 16.0557, 5.5392** is the 20% darker color. If you saturate the color by 10%, you get **36.4292, 33.1376, 12.1631**, and if you desaturate by 10%, it is **41.8012, 40.6568, 23.8952**.

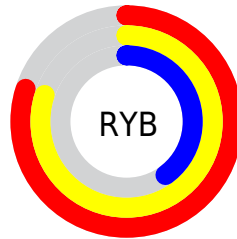
Distribution



Red (80%)

Green (60%)

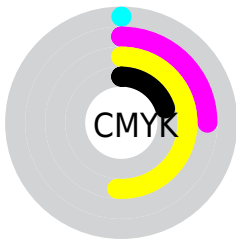
Blue (40%)



Red (80%)

Yellow (80%)

Blue (40%)

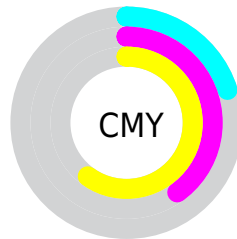


Cyan (0%)

Magenta (25%)

Yellow (51%)

Black (20%)



Cyan (20%)

Magenta (40%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9170, 36.7012, 17.3448 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 38.9170, 36.7012, 17.3448 by changing the saturation by 10% instead.

■ 38.9170, 36.7012,
17.3448

■ 38.9170, 36.7012,
17.3448

332.7507,
332.0151, 249.2625

■ 26.8756, 24.9762,
10.3161

■ 72.8064, 70.1130,
39.7164

■ 17.6159, 16.0593,
5.5007

■ 95.3851, 92.5686,
55.8964

■ 10.7726, 9.5662,
2.4801

■ 122.2069,
119.3699, 75.9638

■ 5.9803, 5.1123,
0.8296

■ 153.6373,
150.9012, 100.3373

■ 2.8737, 2.3133,
0.0000

190.0415,
187.5470, 129.4354

■ 1.0873, 0.7807,
0.0000

231.7849,

■ 0.0145, 0.0000,

229.6916, 163.6766

0.0000

279.2328,
277.7195, 203.4794

■ 0.0000, 0.0000,
0.0000

■ 38.9170, 36.7012,
17.3448

■ 38.9170, 36.7012,
17.3448

■ 36.4292, 33.1376,
12.1631

■ 41.8012, 40.6568,
23.8952

■ 34.3126, 29.9459,
8.2469

■ 45.0996, 45.0127,
31.9031

■ 32.5426, 27.1116,
5.4812

■ 48.8321, 49.7838,
41.4521

■ 31.0895, 24.6166,
3.7291

■ 53.0162, 54.9823,
52.6189

■ 29.9783, 22.5823,
2.7788

■ 57.6685, 60.6197,
65.4750

■ 62.8046, 66.7073,
80.0876

■ 68.4393, 73.2557,
96.5202

■ 72.9343, 79.6143,
106.1308

■ 75.9537, 85.6531,
107.1373

Harmonies

Analogous

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



44.0337, 36.7012, 23.3578



38.9170, 36.7012, 17.3448



33.1949, 36.7012, 16.4072

Triad

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



38.9170, 36.7012, 17.3448



25.2016, 36.7012, 45.0815



42.2034, 36.7012, 69.3740

Complementary

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



38.9170, 36.7012, 17.3448



27.7769, 29.9556, 62.0753

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.



36.6282, 36.7012, 79.3220



38.9170, 36.7012, 17.3448



27.0976, 36.7012, 63.0050

Square

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



38.9170, 36.7012, 17.3448



25.6729, 36.7012, 29.8300



31.1386, 36.7012, 76.7197



46.0691, 36.7012, 52.1606

Rectangle

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



38.9170, 36.7012, 17.3448



29.8573, 36.7012, 18.4400



31.1386, 36.7012, 76.7197



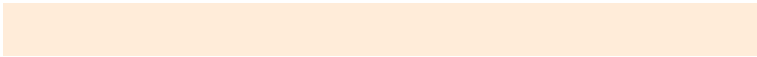
40.4441, 36.7012, 73.8647

Sweetspot

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



38.9179, 36.7030, 17.3455



83.6919, 86.1768, 77.6980



35.5804, 24.5867, 33.0076



17.6022, 18.0580, 15.8015



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.



38.9179, 36.7030, 17.3455



59.2818, 53.7057, 19.1592



49.3569, 57.5811, 20.8252



11.6680, 12.1250, 11.8048



18.7578, 14.2486, 1.7616



1.0436, 0.8869, 0.1162

Inverse Universe

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



27.7769, 29.9556, 62.0753



39.0100, 41.4283, 100.5482



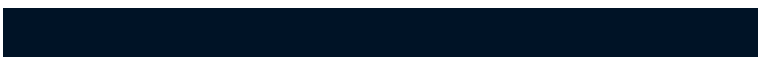
21.0402, 16.4822, 59.8297



11.0574, 11.7552, 14.2566



9.9431, 8.9102, 37.1521



0.5889, 0.6115, 1.9419

Previews

White Background



This preview shows how the XYZ color 38.9170, 36.7012, 17.3448 looks on a white background.

Color Contrast Check

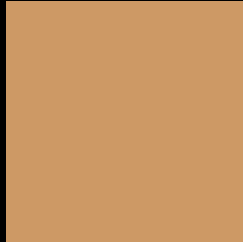
Large Text (above 18pt) WCAG AA × Fail

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 38.9170, 36.7012, 17.3448 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 38.9170, 36.7012, 17.3448

Background



This preview shows how black text looks on a background with the XYZ color 38.9170, 36.7012, 17.3448.



This preview shows how white text looks on a background with the XYZ color 38.9170, 36.7012,

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

38.9170, 36.7012, 17.3448

Protanopia

34.0071, 36.6793, 18.6520

Deuteranopia

37.4774, 36.7028, 17.1657



Tritanopia

42.9430, 36.6937, 36.7175

Trichromacy



Original Color

38.9170, 36.7012, 17.3448

Protanomaly

35.6359, 36.4871, 18.2612

Deuteranomaly

38.1090, 36.7803, 17.1473

Tritanomaly

41.2752, 36.7109, 28.5774

Monochromacy



Original Color

38.9170, 36.7012, 17.3448

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.4919, 36.1547, 29.9189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9170, 36.7012, 17.3448 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, 153, 101)` looks like.

```
.text, #text, p{  
    color:rgb(205, 153, 101)  
}
```

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, 153, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 153, 101) }
```

Border

The CSS property to change the border of an element to XYZ 38.9170, 36.7012, 17.3448 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, 153, 101) }
```


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

```
.border{ border-color:rgb(205, 153, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 153, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 153, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 153, 101);  
box-shadow:4px 4px 4px 4px rgb(205, 153,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9170, 36.7012, 17.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 153, 101) }
```

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

```
.background{ background-color: rgb(205,  
153, 101) }
```

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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