

Converting Colors

XYZ(38.7744, 36.9954, 10.8258)

Have a look what the booklet for
XYZ(38.7744, 36.9954, 10.8258)
contains.

XYZ(38.6735, 36.9633, 10.8907)	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(38.6735, 36.9633,
10.8907)**

Conversions

Conversions Part 1

Format	Color
Hex	D09A46
RGB	208, 154, 70
RGB Percent	82%, 60%, 27%
CMY	0.1843, 0.3961, 0.7255
CMYK	0.00, 0.26, 0.66, 0.18
HSL	37°, 59%, 55%
HSV	37°, 66%, 82%
XYZ	38.6735, 36.9633, 10.8907
YIQ	160.5700, 59.1480, -14.6760

Conversions

Conversions Part 2

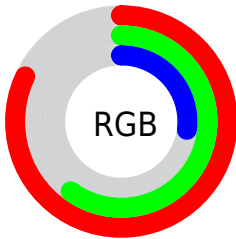
Format	Color
RYB	159, 208, 70
Decimal	13670982
CIELab	67.25, 11.67, 50.70
CIELCh	67, 52.021, 77.034
Yxy	36.9633, 0.4470, 0.4272
Android (android.graphics.Color)	4291861062 (0xFFD09A46)
YUV	160.5700, -44.6510, 41.5961
Hunter-Lab	60.7975, 7.1490, 31.9375

Details

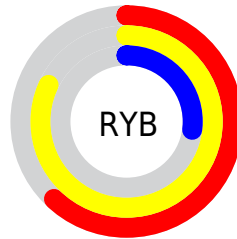
The XYZ color **38.6735, 36.9633, 10.8907** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **21.1182, 20.2706, 62.4736**, and the grayscale version is **33.8589, 35.6222, 38.7925**.

A 20% lighter version of the original color is **67.3087, 67.7769, 27.9470**, and **17.5215, 16.2219, 2.6979** is the 20% darker color. If you saturate the color by 10%, you get **36.8294, 34.1502, 7.5787**, and if you desaturate by 10%, it is **40.8378, 40.0532, 15.4316**.

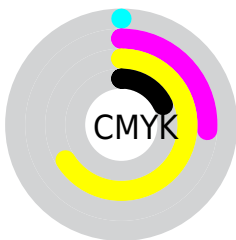
Distribution



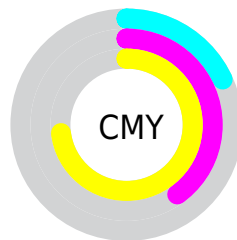
- Red (82%)
- Green (60%)
- Blue (27%)



- Red (62%)
- Yellow (82%)
- Blue (27%)



- Cyan (0%)
- Magenta (26%)
- Yellow (66%)
- Black (18%)





- Cyan (18%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6735, 36.9633, 10.8907 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 38.6735, 36.9633, 10.8907 by changing the saturation by 10% instead.


 38.6735, 36.9633,
10.8907


 38.6735, 36.9633,
10.8907

331.7315,
333.1516, 207.6266

 26.6854, 25.1791,
5.8801


 72.4365, 70.5163,
28.0914


 17.4725, 16.2105,
2.7047


 94.9422, 93.0539,
41.1187

 10.6693, 9.6732,
0.9458


 121.6844,
119.9448, 57.6552

 5.9106, 5.1829,
0.0000

 153.0286,
151.5733, 78.1196

 2.8309, 2.3549,
0.0000

 189.3400,
188.3238, 102.9304

 1.0650, 0.8026,
0.0000

230.9840,

 0.0000, 0.0000,

230.5808, 132.5062

0.0000

278.3261,
278.7286, 167.2654

■ 38.6735, 36.9633,
10.8907

■ 38.6735, 36.9633,
10.8907

■ 36.8294, 34.1502,
7.5787

■ 40.8378, 40.0532,
15.4316

■ 35.2763, 31.5949,
5.3632

■ 43.3425, 43.4263,
21.3112

■ 33.9822, 29.2831,
4.0795

■ 46.2089, 47.0953,
28.6293

■ 33.5521, 28.4895,
3.7306

■ 49.4557, 51.0702,
37.4757

■ 53.0998, 55.3606,
47.9326

■ 57.1574, 59.9753,
60.0765

■ 61.6433, 64.9228,
73.9788

■ 66.5719, 70.2110,
89.7069

■ 71.6000, 75.7052,
105.4466

Harmonies

Analogous

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



46.6095, 36.9633, 15.9666



38.6735, 36.9633, 10.8907



30.8438, 36.9633, 11.2306

Triad

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



38.6735, 36.9633, 10.8907



22.4545, 36.9633, 54.4754



47.5418, 36.9633, 78.0460

Complementary

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



38.6735, 36.9633, 10.8907



21.1182, 20.2706, 62.4736

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.



39.8015, 36.9633, 98.2611



38.6735, 36.9633, 10.8907



25.7135, 36.9633, 81.5124

Square

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



38.6735, 36.9633, 10.8907



22.2468, 36.9633, 31.2052



31.8145, 36.9633, 99.7263



52.2255, 36.9633, 50.8851

Rectangle

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



38.6735, 36.9633, 10.8907



26.7097, 36.9633, 14.4461



31.8145, 36.9633, 99.7263



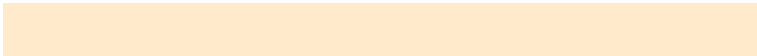
45.1624, 36.9633, 86.2608

Sweetspot

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



38.6744, 36.9651, 10.8914



81.8604, 85.0623, 69.2309



31.9171, 19.2763, 21.5080



17.1711, 17.7938, 13.8144



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.



38.6744, 36.9651, 10.8914



57.2029, 52.2296, 10.1984



45.9607, 57.0494, 14.3840



12.3990, 12.9886, 12.4656



21.0081, 17.9492, 2.3573



1.2506, 1.1556, 0.1571

Inverse Universe

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



21.1182, 20.2706, 62.4736



27.5072, 24.1077, 97.8112



17.2139, 10.8104, 60.8534



11.5376, 12.1656, 14.9837



9.0354, 6.7173, 38.0128



0.5815, 0.5282, 2.1509

Previews

White Background



This preview shows how the XYZ color 38.6735, 36.9633, 10.8907 looks on a white background.

Color Contrast Check

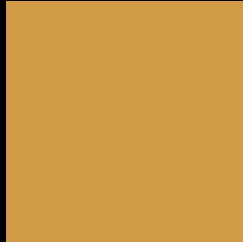
Large Text (above 18pt) WCAG AA × Fail

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 38.6735, 36.9633, 10.8907 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 38.6735, 36.9633, 10.8907

Background



This preview shows how black text looks on a background with the XYZ color 38.6735, 36.9633, 10.8907.



This preview shows how white text looks on a background with the XYZ color 38.6735, 36.9633,

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

38.6735, 36.9633, 10.8907

Protanopia

33.7695, 36.9770, 11.6608

Deuteranopia

37.8645, 37.0440, 10.7848



Tritanopia

43.8577, 36.9472, 36.2725

Trichromacy



Original Color

38.6735, 36.9633, 10.8907

Protanomaly

35.2264, 36.6859, 11.3553

Deuteranomaly

37.9724, 36.8515, 10.7419

Tritanomaly

41.4430, 36.6575, 24.2934

Monochromacy



Original Color

38.6735, 36.9633, 10.8907

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.4832, 35.4772, 25.4524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6735, 36.9633, 10.8907 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(208, 154, 70)` looks like.

```
.text, #text, p{  
    color:rgb(208, 154, 70)  
}
```

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(208, 154, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 154, 70) }
```

Border

The CSS property to change the border of an element to XYZ 38.6735, 36.9633, 10.8907 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(208, 154, 70) }
```


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

```
.border{ border-color:rgb(208, 154, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 154, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 154, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 154, 70);  
box-shadow:4px 4px 4px 4px rgb(208, 154,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6735, 36.9633, 10.8907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 154, 70) }
```

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

```
.background{ background-color: rgb(208,  
154, 70) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor