

Converting Colors

XYZ(36.4660, 36.4251, 11.4470)

Have a look what the booklet for
XYZ(36.4660, 36.4251, 11.4470)
contains.

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Color

**XYZ(36.3798, 36.2637,
11.3855)**

Conversions

Conversions Part 1

Format	Color
Hex	C69C49
RGB	198, 156, 73
RGB Percent	78%, 61%, 29%
CMY	0.2235, 0.3882, 0.7137
CMYK	0.00, 0.21, 0.63, 0.22
HSL	40°, 52%, 53%
HSV	40°, 63%, 78%
XYZ	36.3798, 36.2637, 11.3855
YIQ	159.0960, 51.6750, -16.9090

Conversions

Conversions Part 2

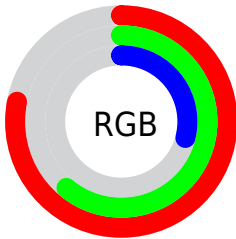
Format	Color
RYB	136, 198, 73
Decimal	13016137
CIELab	66.72, 6.48, 48.40
CIElCh	67, 48.830, 82.379
Yxy	36.2637, 0.4329, 0.4316
Android (android.graphics.Color)	4291206217 (0xFFC69C49)
YUV	159.0960, -42.4453, 34.1188
Hunter-Lab	60.2193, 2.4518, 30.9438

Details

The XYZ color **36.3798, 36.2637, 11.3855** 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 **19.0712, 17.7546, 55.8478**, and the grayscale version is **33.1709, 34.8984, 38.0044**.

A 20% lighter version of the original color is **67.9883, 68.8339, 29.1049**, and **16.1714, 15.8200, 2.9107** is the 20% darker color. If you saturate the color by 10%, you get **34.7393, 33.8714, 8.0995**, and if you desaturate by 10%, it is **38.2921, 38.8654, 15.7936**.

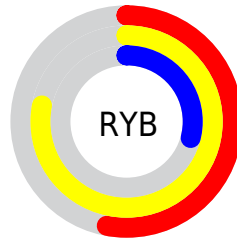
Distribution



Red (78%)

Green (61%)

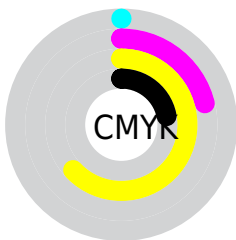
Blue (29%)



Red (53%)

Yellow (78%)

Blue (29%)

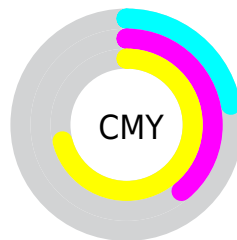


Cyan (0%)

Magenta (21%)

Yellow (63%)

Black (22%)



Cyan (22%)


Magenta (39%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.3798, 36.2637, 11.3855 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 36.3798, 36.2637, 11.3855 by changing the saturation by 10% instead.


 36.3798, 36.2637,
11.3855


 36.3798, 36.2637,
11.3855


322.0199,
330.1117, 211.1250


 24.8991, 24.6379,
6.2093


 68.9379, 69.4389,
29.0183

 16.1303, 15.8075,
2.9019


 90.7461, 91.7571,
42.3121


 9.7078, 9.3880,
1.0448


 116.7275,
118.4082, 59.1487

 5.2664, 4.9951,
0.0000

 147.2474,
149.7767, 79.9469

 2.4408, 2.2444,
0.0000

 182.6713,
186.2469, 105.1250

 0.8655, 0.7440,
0.0000

223.3644,

 0.0000, 0.0000,

228.2031, 135.1018

0.0000

269.6922,
276.0300, 170.2956

■ 36.3798, 36.2637,
11.3855

■ 36.3798, 36.2637,
11.3855

■ 34.7393, 33.8714,
8.0995

■ 38.2921, 38.8654,
15.7936

■ 33.3465, 31.6731,
5.8245

■ 40.4925, 41.6802,
21.4166

■ 32.1763, 29.6585,
4.4302

■ 42.9989, 44.7182,
28.3396

■ 31.4694, 28.3673,
3.8168

■ 45.8266, 47.9871,
36.6398

■ 48.9900, 51.4939,
46.3881

■ 52.5025, 55.2455,
57.6506

■ 56.3766, 59.2481,
70.4893

■ 60.6243, 63.5079,
84.9625

■ 65.2567, 68.0307,
101.1258

Harmonies

Analogous

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



43.8545, 36.2637, 15.2859



36.3798, 36.2637, 11.3855



29.3522, 36.2637, 12.6033

Triad

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



36.3798, 36.2637, 11.3855



22.9615, 36.2637, 57.0262



46.9446, 36.2637, 69.7758

Complementary

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



36.3798, 36.2637, 11.3855



19.0712, 17.7546, 55.8478

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.



40.1451, 36.2637, 90.1112



36.3798, 36.2637, 11.3855



26.5258, 36.2637, 81.1064

Square

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



36.3798, 36.2637, 11.3855



22.2508, 36.2637, 34.3473



32.6235, 36.2637, 94.8662



50.4947, 36.2637, 45.1111

Rectangle

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



36.3798, 36.2637, 11.3855



25.7766, 36.2637, 16.4647



32.6235, 36.2637, 94.8662



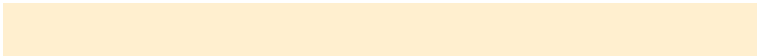
44.9206, 36.2637, 77.6588

Sweetspot

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



36.3806, 36.2655, 11.3862



83.2329, 87.3137, 71.2098



28.8676, 18.0497, 18.7156



17.4770, 18.3097, 14.2116



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.



36.3806, 36.2655, 11.3862



60.4774, 58.3784, 12.5238



40.0450, 50.4827, 13.9373



11.2122, 11.7935, 11.2482



20.5470, 18.6111, 2.5094



1.0377, 1.0109, 0.1404

Inverse Universe

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



19.0712, 17.7546, 55.8478



27.4873, 23.2195, 97.6408



16.9646, 11.1052, 54.6753



10.3430, 10.8601, 13.4686



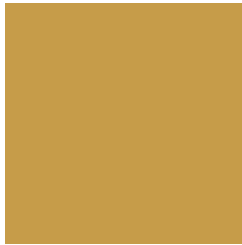
7.9869, 5.3677, 35.3595



0.4453, 0.3883, 1.6966

Previews

White Background



This preview shows how the XYZ color 36.3798, 36.2637, 11.3855 looks on a white background.

Color Contrast Check

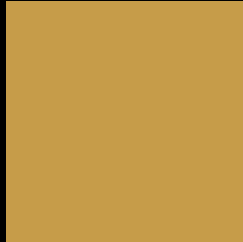
Large Text (above 18pt) WCAG AA × Fail

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 36.3798, 36.2637, 11.3855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

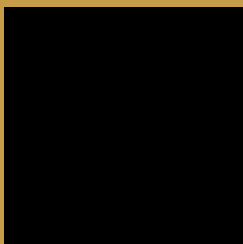
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

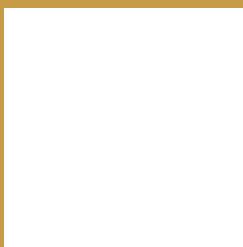
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3798, 36.2637, 11.3855

Background



This preview shows how black text looks on a background with the XYZ color 36.3798, 36.2637, 11.3855.



This preview shows how white text looks on a background with the XYZ color 36.3798, 36.2637,

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

36.3798, 36.2637, 11.3855

Protanopia

33.1896, 36.4057, 11.9343

Deuteranopia

37.0113, 36.3412, 11.3672



Tritanopia

41.7821, 36.3152, 37.1551

Trichromacy



Original Color

36.3798, 36.2637, 11.3855

Protanomaly

34.3004, 36.2008, 11.6582

Deuteranomaly

36.7434, 36.2031, 11.3546

Tritanomaly

39.0942, 35.9016, 24.9479

Monochromacy



Original Color

36.3798, 36.2637, 11.3855

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.3567, 34.8965, 25.3997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3798, 36.2637, 11.3855 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(198, 156, 73)` looks like.

```
.text, #text, p{  
    color:rgb(198, 156, 73)  
}
```

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(198, 156, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 156, 73) }
```

Border

The CSS property to change the border of an element to XYZ 36.3798, 36.2637, 11.3855 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(198, 156, 73) }
```


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

```
.border{ border-color:rgb(198, 156, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 156, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 156, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 156, 73);  
box-shadow:4px 4px 4px 4px rgb(198, 156,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3798, 36.2637, 11.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 156, 73) }
```

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

```
.background{ background-color: rgb(198,  
156, 73) }
```

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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