

Converting Colors

XYZ(36.2138, 38.6962, 10.2517)

Have a look what the booklet for
XYZ(36.2138, 38.6962, 10.2517)
contains.

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Color

**XYZ(36.2716, 38.8378,
10.2873)**

Conversions

Conversions Part 1

Format	Color
Hex	C0A63F
RGB	192, 166, 63
RGB Percent	75%, 65%, 25%
CMY	0.2471, 0.3490, 0.7529
CMYK	0.00, 0.14, 0.67, 0.25
HSL	48°, 51%, 50%
HSV	48°, 67%, 75%
XYZ	36.2716, 38.8378, 10.2873
YIQ	162.0320, 48.5590, -26.5210

Conversions

Conversions Part 2

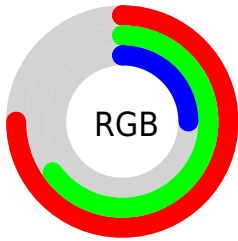
Format	Color
R _Y B	96, 192, 63
Decimal	12625471
CIE Lab	68.63, -2.13, 54.83
CIE LCh	69, 54.870, 92.224
Yxy	38.8378, 0.4247, 0.4548
Android (android.graphics.Color)	4290815551 (0xFFC0A63F)
YUV	162.0320, -48.8228, 26.2819
Hunter-Lab	62.3200, -5.1690, 33.8369

Details

The XYZ color **36.2716, 38.8378, 10.2873** 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 **15.1365, 12.0068, 51.3885**, and the grayscale version is **34.5642, 36.3642, 39.6007**.

A 20% lighter version of the original color is **68.7925, 73.4831, 27.0809**, and **16.0090, 17.1855, 2.4734** is the 20% darker color. If you saturate the color by 10%, you get **35.1333, 37.2755, 7.7067**, and if you desaturate by 10%, it is **37.6199, 40.5210, 13.8617**.

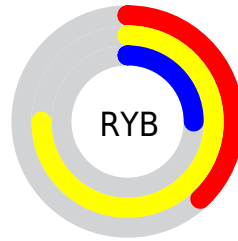
Distribution



Red (75%)

Green (65%)

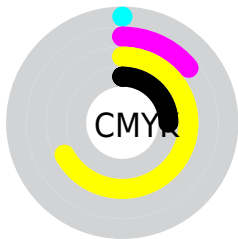
Blue (25%)



Red (38%)

Yellow (75%)

Blue (25%)

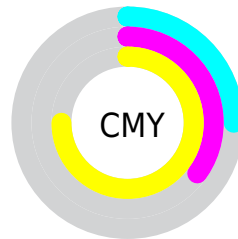


Cyan (0%)

Magenta (14%)

Yellow (67%)

Black (25%)



Cyan (25%)


Magenta (35%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2716, 38.8378, 10.2873 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 36.2716, 38.8378, 10.2873 by changing the saturation by 10% instead.


 36.2716, 38.8378,
10.2873


 36.2716, 38.8378,
10.2873


321.5567,
341.2004, 203.2692


 24.8151, 26.6336,
5.4818


 68.7722, 73.3905,
26.9507

 16.0674, 17.2982,
2.4690


 90.5470, 96.5077,
39.6457


 9.6630, 10.4473,
0.8236


 116.4920,
124.0314, 55.8076

 5.2366, 5.6966,
0.0000

 146.9725,
156.3459, 75.8549

 2.4229, 2.6615,
0.0000

 182.3538,
193.8357, 100.2061

 0.8566, 0.9577,
0.0000

223.0014,

 0.0000, 0.0000,

236.8851, 129.2799

0.0000

269.2806,
285.8785, 163.4948

■ 36.2716, 38.8378,
10.2873

■ 36.2716, 38.8378,
10.2873

■ 35.1333, 37.2755,
7.7067

■ 37.6199, 40.5210,
13.8617

■ 34.1818, 35.8199,
6.0098

■ 39.1933, 42.3268,
18.5198

■ 33.3891, 34.4612,
5.0470

■ 41.0082, 44.2638,
24.3440

■ 33.1800, 34.0904,
4.8313

■ 43.0790, 46.3378,
31.4082

■ 45.4185, 48.5542,
39.7801

■ 48.0390, 50.9184,
49.5224

■ 50.9517, 53.4349,
60.6938

■ 54.1672, 56.1084,
73.3498

■ 57.6957, 58.9431,
87.5425

Harmonies

Analogous

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



45.2334, 38.8378, 12.5655



36.2716, 38.8378, 10.2873



28.7256, 38.8378, 13.4079

Triad

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



36.2716, 38.8378, 10.2873



24.5399, 38.8378, 73.1662



53.7001, 38.8378, 68.6421

Complementary

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



36.2716, 38.8378, 10.2873



15.1365, 12.0068, 51.3885

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.



46.5275, 38.8378, 96.8431



36.2716, 38.8378, 10.2873



29.6831, 38.8378, 100.0949

Square

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



36.2716, 38.8378, 10.2873



22.6461, 38.8378, 44.1659



37.5643, 38.8378, 110.1104



56.1855, 38.8378, 40.4636

Rectangle

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



36.2716, 38.8378, 10.2873



25.2516, 38.8378, 19.2797



37.5643, 38.8378, 110.1104



51.7072, 38.8378, 78.7585

Sweetspot

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



36.2725, 38.8397, 10.2881



80.9141, 86.6912, 67.0630



25.4020, 15.5162, 11.5428



17.0998, 18.3533, 13.4587



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.



36.2725, 38.8397, 10.2881



62.7390, 66.1700, 12.2059



33.3509, 45.0710, 11.6448



10.7355, 11.4024, 10.6969



22.3829, 23.0516, 3.2697



1.0119, 1.0856, 0.1562

Inverse Universe

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



15.1365, 12.0068, 51.3885



21.9462, 14.5356, 92.0092



16.4981, 10.0449, 50.9380



9.6891, 10.0694, 12.7178



6.9288, 3.6141, 33.8890



0.3491, 0.2557, 1.4808

Previews

White Background



This preview shows how the XYZ color 36.2716, 38.8378, 10.2873 looks on a white background.

Color Contrast Check

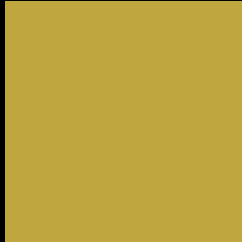
Large Text (above 18pt) WCAG AA × Fail

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 36.2716, 38.8378, 10.2873 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 36.2716, 38.8378, 10.2873

Background



This preview shows how black text looks on a background with the XYZ color 36.2716, 38.8378, 10.2873.



This preview shows how white text looks on a background with the XYZ color 36.2716, 38.8378,

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

36.2716, 38.8378, 10.2873

Protanopia

35.4216, 38.9402, 10.4998

Deuteranopia

39.6468, 38.7332, 10.3877



Tritanopia

42.7758, 38.8834, 42.2965

Trichromacy



Original Color

36.2716, 38.8378, 10.2873

Protanomaly

35.7304, 38.8264, 10.4615

Deuteranomaly

38.4743, 38.9073, 10.3325

Tritanomaly

39.6260, 38.6236, 26.4857

Monochromacy



Original Color

36.2716, 38.8378, 10.2873

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.0967, 36.5850, 25.0032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2716, 38.8378, 10.2873 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, 166, 63)` looks like.

```
.text, #text, p{  
    color:rgb(192, 166, 63)  
}
```

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, 166, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 166, 63) }
```

Border

The CSS property to change the border of an element to XYZ 36.2716, 38.8378, 10.2873 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, 166, 63) }
```


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

```
.border{ border-color:rgb(192, 166, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 166, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 166, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 166, 63);  
box-shadow:4px 4px 4px 4px rgb(192, 166,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2716, 38.8378, 10.2873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 166, 63) }
```

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

```
.background{ background-color: rgb(192,  
166, 63) }
```

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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