

Converting Colors

XYZ(36.9828, 36.1284, 11.2487)

Have a look what the booklet for
XYZ(36.9828, 36.1284, 11.2487)
contains.

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Color

**XYZ(36.8456, 36.0097,
11.3119)**

Conversions

Conversions Part 1

Format	Color
Hex	C99A49
RGB	201, 154, 73
RGB Percent	79%, 60%, 29%
CMY	0.2118, 0.3961, 0.7137
CMYK	0.00, 0.23, 0.64, 0.21
HSL	38°, 54%, 54%
HSV	38°, 64%, 79%
XYZ	36.8456, 36.0097, 11.3119
YIQ	158.8190, 54.0130, -15.2270

Conversions

Conversions Part 2

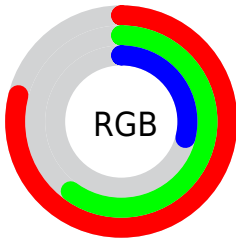
Format	Color
RYB	147, 201, 73
Decimal	13212233
CIELab	66.53, 8.85, 48.27
CIElCh	67, 49.073, 79.607
Yxy	36.0097, 0.4378, 0.4278
Android (android.graphics.Color)	4291402313 (0xFFC99A49)
YUV	158.8190, -42.3088, 36.9927
Hunter-Lab	60.0081, 4.5868, 30.8291

Details

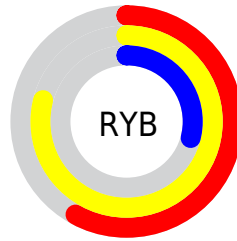
The XYZ color **36.8456, 36.0097, 11.3119** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **20.0065, 19.0657, 57.8837**, and the grayscale version is **33.0426, 34.7634, 37.8573**.

A 20% lighter version of the original color is **67.4340, 67.8270, 28.6065**, and **16.3133, 15.5943, 2.8597** is the 20% darker color. If you saturate the color by 10%, you get **35.1032, 33.4248, 7.9579**, and if you desaturate by 10%, it is **38.8799, 38.8341, 15.8262**.

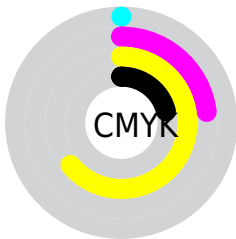
Distribution



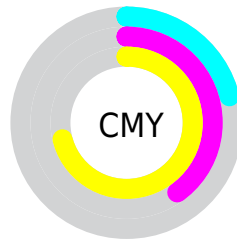
- Red (79%)
- Green (60%)
- Blue (29%)



- Red (58%)
- Yellow (79%)
- Blue (29%)



- Cyan (0%)
- Magenta (23%)
- Yellow (64%)
- Black (21%)





- Cyan (21%)
- Magenta (40%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8456, 36.0097, 11.3119 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 36.8456, 36.0097, 11.3119 by changing the saturation by 10% instead.


 36.8456, 36.0097,
11.3119


 36.8456, 36.0097,
11.3119


324.0087,
329.0029, 210.6087

 25.2611, 24.4417,
6.1602


 69.6506, 69.0470,
28.8809

 16.4015, 15.6616,
2.8724


 91.6019, 91.2852,
42.1353


 9.9013, 9.2850,
1.0299


 117.7394,
117.8488, 58.9278

 5.3953, 4.9275,
0.0000

 148.4285,
149.1222, 79.6767

 2.5182, 2.2048,
0.0000

 184.0347,
185.4900, 104.8007

 0.9044, 0.7226,
0.0000

224.9232,

 0.0000, 0.0000,

227.3365, 134.7184

0.0000

271.4594,
275.0460, 169.8482

■ 36.8456, 36.0097,
11.3119

■ 36.8456, 36.0097,
11.3119

■ 35.1032, 33.4248,
7.9579

■ 38.8799, 38.8341,
15.8262

■ 33.6273, 31.0627,
5.6477

■ 41.2236, 41.9027,
21.5978

■ 32.3912, 28.9120,
4.2442

■ 43.8955, 45.2266,
28.7160

■ 31.7028, 27.6485,
3.6658

■ 46.9122, 48.8143,
37.2610

■ 50.2887, 52.6738,
47.3069

■ 54.0392, 56.8126,
58.9227

■ 58.1772, 61.2380,
72.1728

■ 62.7152, 65.9568,
87.1183

■ 67.6653, 70.9756,
103.8169

Harmonies

Analogous

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



44.2505, 36.0097, 15.7168



36.8456, 36.0097, 11.3119



29.6895, 36.0097, 12.0644

Triad

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



36.8456, 36.0097, 11.3119



22.5415, 36.0097, 54.4577



46.1876, 36.0097, 71.8103

Complementary

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



36.8456, 36.0097, 11.3119



20.0065, 19.0657, 57.8837

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.



39.2029, 36.0097, 91.1837



36.8456, 36.0097, 11.3119



25.8430, 36.0097, 78.9315

Square

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



36.8456, 36.0097, 11.3119



22.0986, 36.0097, 32.3360



31.7339, 36.0097, 94.1765



50.1347, 36.0097, 46.9915

Rectangle

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



36.8456, 36.0097, 11.3119



25.9667, 36.0097, 15.5231



31.7339, 36.0097, 94.1765



44.0740, 36.0097, 79.5032

Sweetspot

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



36.8464, 36.0115, 11.3126



82.7930, 86.4339, 71.0632



29.9871, 18.5897, 20.4421



17.3702, 18.0962, 14.1760



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.



36.8464, 36.0115, 11.3126



59.1962, 55.8161, 12.0968



42.3551, 52.7017, 14.2438



11.1839, 11.7369, 11.2388



20.0235, 17.5641, 2.3349



1.0155, 0.9664, 0.1330

Inverse Universe

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



20.0065, 19.0657, 57.8837



28.2861, 24.8171, 97.9071



16.9436, 11.0540, 56.4987



10.3703, 10.9146, 13.4776



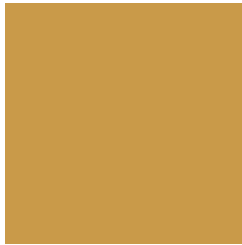
8.2404, 5.8748, 35.4440



0.4592, 0.4161, 1.7013

Previews

White Background



This preview shows how the XYZ color 36.8456, 36.0097, 11.3119 looks on a white background.

Color Contrast Check

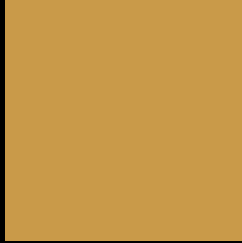
Large Text (above 18pt) WCAG AA × Fail

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 36.8456, 36.0097, 11.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

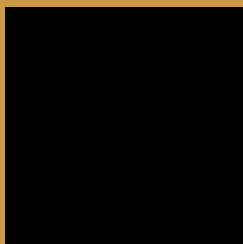
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8456, 36.0097, 11.3119

Background



This preview shows how black text looks on a background with the XYZ color 36.8456, 36.0097, 11.3119.



This preview shows how white text looks on a background with the XYZ color 36.8456, 36.0097,

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

36.8456, 36.0097, 11.3119

Protanopia

33.0472, 36.0658, 12.0571

Deuteranopia

36.8456, 36.0097, 11.3119



Tritanopia

41.8583, 35.9165, 36.1789

Trichromacy



Original Color

36.8456, 36.0097, 11.3119

Protanomaly

34.4072, 35.9956, 11.7910

Deuteranomaly

36.8456, 36.0097, 11.3119

Tritanomaly

39.5326, 35.6653, 24.5392

Monochromacy



Original Color

36.8456, 36.0097, 11.3119

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.4088, 34.6711, 25.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8456, 36.0097, 11.3119 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(201, 154, 73)` looks like.

```
.text, #text, p{  
    color:rgb(201, 154, 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(201, 154, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 154, 73) }
```

Border

The CSS property to change the border of an element to XYZ 36.8456, 36.0097, 11.3119 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(201, 154, 73) }
```


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

```
.border{ border-color:rgb(201, 154, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 154, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 154, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 154, 73);  
box-shadow:4px 4px 4px 4px rgb(201, 154,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8456, 36.0097, 11.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 154, 73) }
```

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

```
.background{ background-color: rgb(201,  
154, 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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