

Converting Colors

XYZ(36.7650, 35.9630, 9.4644)

Have a look what the booklet for
XYZ(36.7650, 35.9630, 9.4644)
contains.

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Color

**XYZ(36.7550, 36.0047,
9.4273)**

Conversions

Conversions Part 1

Format	Color
Hex	CA9A3D
RGB	202, 154, 61
RGB Percent	79%, 60%, 24%
CMY	0.2078, 0.3961, 0.7608
CMYK	0.00, 0.24, 0.70, 0.21
HSL	40°, 57%, 52%
HSV	40°, 70%, 79%
XYZ	36.7550, 36.0047, 9.4273
YIQ	157.7500, 58.4610, -18.7470

Conversions

Conversions Part 2

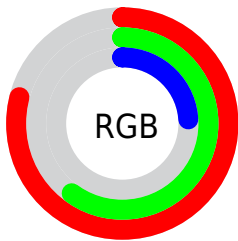
Format	Color
RYB	134, 202, 61
Decimal	13277757
CIELab	66.52, 8.57, 53.80
CIELCh	67, 54.481, 80.950
Yxy	36.0047, 0.4472, 0.4381
Android (android.graphics.Color)	4291467837 (0xFFCA9A3D)
YUV	157.7500, -47.6977, 38.8073
Hunter-Lab	60.0039, 4.3321, 32.6876

Details

The XYZ color **36.7550, 36.0047, 9.4273** 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 **18.0535, 16.1930, 58.0507**, and the grayscale version is **32.5777, 34.2742, 37.3246**.

A 20% lighter version of the original color is **66.7765, 67.5640, 25.1444**, and **16.3518, 15.6298, 2.1550** is the 20% darker color. If you saturate the color by 10%, you get **35.2076, 33.6230, 6.7141**, and if you desaturate by 10%, it is **38.5739, 38.6019, 13.2424**.

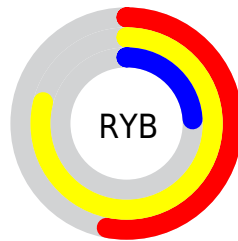
Distribution



Red (79%)

Green (60%)

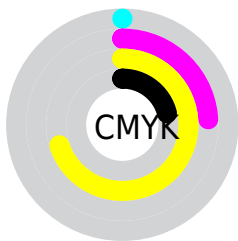
Blue (24%)



Red (53%)

Yellow (79%)

Blue (24%)

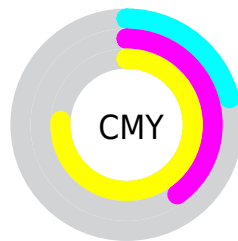


Cyan (0%)

Magenta (24%)

Yellow (70%)

Black (21%)



Cyan (21%)


Magenta (40%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7550, 36.0047, 9.4273 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 36.7550, 36.0047, 9.4273 by changing the saturation by 10% instead.


 36.7550, 36.0047,
9.4273


 36.7550, 36.0047,
9.4273


323.6226,
328.9811, 196.8682


 25.1907, 24.4378,
4.9203


 69.5121, 69.0393,
25.3033

 16.3486, 15.6587,
2.1427

 91.4356, 91.2759,
37.5095


 9.8636, 9.2830,
0.6410


 117.5428,
117.8377, 53.1191

 5.3702, 4.9262,
0.0000

 148.1991,
149.1094, 72.5508

 2.5030, 2.2040,
0.0000

 183.7699,
185.4751, 96.2229

 0.8968, 0.7222,
0.0000

224.6205,

 0.0000, 0.0000,

227.3194, 124.5542

0.0000

271.1163,
275.0266, 157.9631

■ 36.7550, 36.0047,
9.4273

■ 36.7550, 36.0047,
9.4273

■ 35.2076, 33.6230,
6.7141

■ 38.5739, 38.6019,
13.2424

■ 33.9039, 31.4396,
4.9719

■ 40.6835, 41.4197,
18.2662

■ 32.7985, 29.4361,
3.9646

■ 43.1039, 44.4691,
24.5951

■ 32.7775, 29.3976,
3.9467

■ 45.8521, 47.7586,
32.3152

■ 48.9443, 51.2963,
41.5051

■ 52.3949, 55.0893,
52.2376

■ 56.2179, 59.1449,
64.5804

■ 60.4261, 63.4697,
78.5974

■ 65.0319, 68.0700,
94.3488

Harmonies

Analogous

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



45.1146, 36.0047, 13.5990



36.7550, 36.0047, 9.4273



28.9014, 36.0047, 10.3929

Triad

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



36.7550, 36.0047, 9.4273



21.5367, 36.0047, 57.6097



47.9430, 36.0047, 74.9692

Complementary

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



36.7550, 36.0047, 9.4273



18.0535, 16.1930, 58.0507

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.



40.1571, 36.0047, 98.0922



36.7550, 36.0047, 9.4273



25.2400, 36.0047, 85.6065

Square

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



36.7550, 36.0047, 9.4273



20.9230, 36.0047, 32.5371



31.8070, 36.0047, 102.6133



52.2174, 36.0047, 46.7223

Rectangle

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



36.7550, 36.0047, 9.4273



24.9155, 36.0047, 14.0782



31.8070, 36.0047, 102.6133



45.5963, 36.0047, 84.0018

Sweetspot

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



36.7558, 36.0065, 9.4280



82.0539, 85.9348, 67.7987



28.8595, 17.0277, 16.6180



17.2417, 18.0293, 13.5473



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.



36.7558, 36.0065, 9.4280



58.3829, 54.9109, 9.6013



40.9836, 52.3833, 12.3662



11.8198, 12.4285, 11.8554



21.1775, 19.0879, 2.5682



1.1611, 1.1220, 0.1554

Inverse Universe

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



18.0535, 16.1930, 58.0507



24.9413, 19.6569, 97.0874



15.8224, 9.4027, 56.8576



10.9087, 11.4578, 14.2070



8.2946, 5.6132, 36.6026



0.4981, 0.4299, 1.9117

Previews

White Background



This preview shows how the XYZ color 36.7550, 36.0047, 9.4273 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 36.7550, 36.0047, 9.4273 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 36.7550, 36.0047, 9.4273

Background



This preview shows how black text looks on a background with the XYZ color 36.7550, 36.0047, 9.4273.



This preview shows how white text looks on a background with the XYZ color 36.7550, 36.0047,

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

36.7550, 36.0047, 9.4273

Protanopia

32.8736, 36.0233, 9.9232

Deuteranopia

36.7550, 36.0047, 9.4273



Tritanopia

42.1841, 35.8684, 35.7103

Trichromacy



Original Color

36.7550, 36.0047, 9.4273

Protanomaly

34.2539, 35.9629, 9.6936

Deuteranomaly

36.7550, 36.0047, 9.4273

Tritanomaly

39.4947, 35.6821, 22.8949

Monochromacy



Original Color

36.7550, 36.0047, 9.4273

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.0877, 34.5427, 23.6624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7550, 36.0047, 9.4273 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(202, 154, 61)` looks like.

```
.text, #text, p{  
    color:rgb(202, 154, 61)  
}
```

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(202, 154, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 154, 61) }
```

Border

The CSS property to change the border of an element to XYZ 36.7550, 36.0047, 9.4273 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(202, 154, 61) }
```


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

```
.border{ border-color:rgb(202, 154, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 154, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 154, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 154, 61);  
box-shadow:4px 4px 4px 4px rgb(202, 154,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7550, 36.0047, 9.4273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 154, 61) }
```

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

```
.background{ background-color: rgb(202,  
154, 61) }
```

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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