

Converting Colors

XYZ(36.4485, 33.7204, 9.1451)

Have a look what the booklet for
XYZ(36.4485, 33.7204, 9.1451)
contains.

XYZ(36.4485, 33.7204, 9.1451)	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(36.4485, 33.7204,
9.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	CE913E
RGB	206, 145, 62
RGB Percent	81%, 57%, 24%
CMY	0.1922, 0.4314, 0.7569
CMYK	0.00, 0.30, 0.70, 0.19
HSL	35°, 60%, 53%
HSV	35°, 70%, 81%
XYZ	36.4485, 33.7204, 9.1451
YIQ	153.7770, 62.9990, -12.8810

Conversions

Conversions Part 2

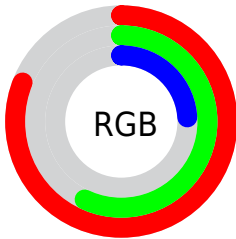
Format	Color
RYB	168, 206, 62
Decimal	13537598
CIELab	64.74, 15.24, 51.62
CIELCh	65, 53.823, 73.549
Yxy	33.7204, 0.4595, 0.4252
Android (android.graphics.Color)	4291727678 (0xFFCE913E)
YUV	153.7770, -45.2461, 45.7996
Hunter-Lab	58.0693, 10.4184, 31.3111

Details

The XYZ color **36.4485, 33.7204, 9.1451** 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 **20.2098, 19.6455, 61.1189**, and the grayscale version is **30.7909, 32.3944, 35.2775**.

A 20% lighter version of the original color is **64.6441, 63.2991, 24.4336**, and **16.1467, 14.3962, 2.0426** is the 20% darker color. If you saturate the color by 10%, you get **34.7044, 30.9719, 6.2839**, and if you desaturate by 10%, it is **38.5108, 36.7628, 13.1696**.

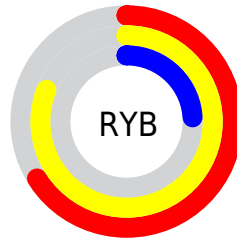
Distribution



Red (81%)

Green (57%)

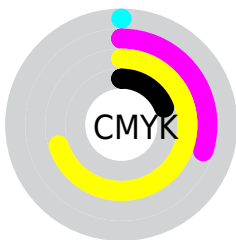
Blue (24%)



Red (66%)

Yellow (81%)

Blue (24%)

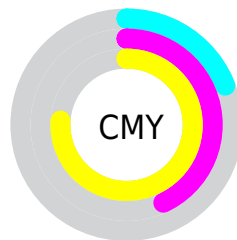


Cyan (0%)

Magenta (30%)

Yellow (70%)

Black (19%)



Cyan (19%)


Magenta (43%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4485, 33.7204, 9.1451 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 36.4485, 33.7204, 9.1451 by changing the saturation by 10% instead.


 36.4485, 33.7204,
9.1451


 36.4485, 33.7204,
9.1451


322.3138,
318.8835, 194.7144


 24.9525, 22.6789,
4.7378


 69.0431, 65.4986,
24.7568

 16.1702, 14.3566,
2.0382


 90.8724, 87.0041,
36.7983


 9.7363, 8.3691,
0.5786


 116.8769,
112.7664, 52.2216

 5.2854, 4.3320,
0.0000

 147.4218,
143.1699, 71.4452

 2.4521, 1.8610,
0.0000

 182.8726,
178.5990, 94.8878

 0.8712, 0.5248,
0.0000

223.5947,

 0.0000, 0.0000,

219.4380, 122.9679

0.0000

269.9533,
266.0714, 156.1039

■ 36.4485, 33.7204,
9.1451

■ 36.4485, 33.7204,
9.1451

■ 34.7044, 30.9719,
6.2839

■ 38.5108, 36.7628,
13.1696

■ 33.2481, 28.4975,
4.4481

■ 40.9128, 40.1070,
18.4704

■ 32.0310, 26.2751,
3.3892

■ 43.6765, 43.7669,
25.1492

■ 32.0197, 26.2542,
3.3800

■ 46.8211, 47.7532,
33.2967

■ 50.3641, 52.0764,
42.9957

■ 54.3222, 56.7461,
54.3230

■ 58.7105, 61.7715,
67.3502

■ 63.5436, 67.1615,
82.1444

■ 68.8354, 72.9246,
98.7693

Harmonies

Analogous

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



44.0813, 33.7204, 14.4961



36.4485, 33.7204, 9.1451



28.6911, 33.7204, 8.9259

Triad

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



36.4485, 33.7204, 9.1451



19.6584, 33.7204, 47.6244



43.4261, 33.7204, 77.0403

Complementary

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



36.4485, 33.7204, 9.1451



20.2098, 19.6455, 61.1189

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.



35.6618, 33.7204, 95.6304



36.4485, 33.7204, 9.1451



22.4354, 33.7204, 74.5682

Square

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



36.4485, 33.7204, 9.1451



19.7994, 33.7204, 25.9277



28.0208, 33.7204, 94.5778



48.5318, 33.7204, 50.1449

Rectangle

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



36.4485, 33.7204, 9.1451



24.5145, 33.7204, 11.4313



28.0208, 33.7204, 94.5778



40.9908, 33.7204, 84.8742

Sweetspot

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



36.4493, 33.7221, 9.1457



80.7817, 83.3904, 67.3746



30.8397, 18.0327, 21.0573



16.9383, 17.4224, 13.4461



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.



36.4493, 33.7221, 9.1457



54.9605, 48.0663, 8.4606



45.8098, 56.2796, 13.0064



11.7403, 12.2695, 11.8289



19.8147, 16.3624, 2.1139



1.0964, 0.9925, 0.1338

Inverse Universe

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



20.2098, 19.6455, 61.1189



27.1442, 24.0627, 97.8217



15.5062, 9.2642, 59.3631



10.9858, 11.6121, 14.2327



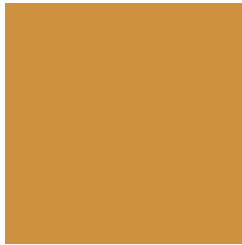
9.0632, 7.1504, 36.8588



0.5422, 0.5181, 1.9264

Previews

White Background



This preview shows how the XYZ color 36.4485, 33.7204, 9.1451 looks on a white background.

Color Contrast Check

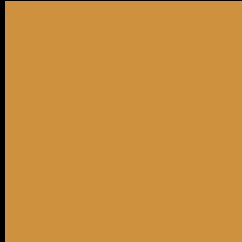
Large Text (above 18pt) WCAG AA × Fail

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 36.4485, 33.7204, 9.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

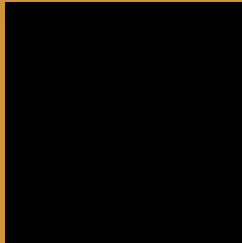
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4485, 33.7204, 9.1451

Background



This preview shows how black text looks on a background with the XYZ color 36.4485, 33.7204, 9.1451.



This preview shows how white text looks on a background with the XYZ color 36.4485, 33.7204,

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

36.4485, 33.7204, 9.1451

Protanopia

30.8894, 33.9610, 10.0813

Deuteranopia

34.5136, 33.8854, 9.1363



Tritanopia

41.1438, 33.6807, 31.5266

Trichromacy



Original Color

36.4485, 33.7204, 9.1451

Protanomaly

32.5951, 33.6032, 9.7692

Deuteranomaly

35.2516, 33.7961, 9.0802

Tritanomaly

38.9055, 33.4047, 20.6169

Monochromacy



Original Color

36.4485, 33.7204, 9.1451

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.7514, 32.3979, 22.6691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4485, 33.7204, 9.1451 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(206, 145, 62)` looks like.

```
.text, #text, p{  
    color:rgb(206, 145, 62)  
}
```

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(206, 145, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 145, 62) }
```

Border

The CSS property to change the border of an element to XYZ 36.4485, 33.7204, 9.1451 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(206, 145, 62) }
```


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

```
.border{ border-color:rgb(206, 145, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 145, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 145, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 145, 62);  
box-shadow:4px 4px 4px 4px rgb(206, 145,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4485, 33.7204, 9.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 145, 62) }
```

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

```
.background{ background-color: rgb(206,  
145, 62) }
```

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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