

Converting Colors

XYZ(35.6928, 33.4633, 7.7098)

Have a look what the booklet for
XYZ(35.6928, 33.4633, 7.7098)
contains.

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Color

**XYZ(35.6248, 33.3272,
7.6871)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9133
RGB	204, 145, 51
RGB Percent	80%, 57%, 20%
CMY	0.2000, 0.4314, 0.8000
CMYK	0.00, 0.29, 0.75, 0.20
HSL	37°, 60%, 50%
HSV	37°, 75%, 80%
XYZ	35.6248, 33.3272, 7.6871
YIQ	151.9250, 65.3380, -16.7260

Conversions

Conversions Part 2

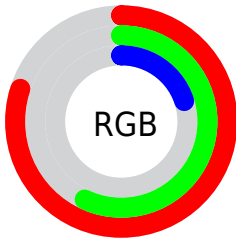
Format	Color
RYB	147, 204, 51
Decimal	13406515
CIELab	64.42, 13.84, 56.00
CIELCh	64, 57.689, 76.116
Yxy	33.3272, 0.4648, 0.4349
Android (android.graphics.Color)	4291596595 (0xFFCC9133)
YUV	151.9250, -49.7560, 45.6698
Hunter-Lab	57.7297, 9.1247, 32.5159

Details

The XYZ color **35.6248, 33.3272, 7.6871** 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 **17.8400, 16.2146, 59.3159**, and the grayscale version is **30.0017, 31.5641, 34.3733**.

A 20% lighter version of the original color is **64.1116, 63.0861, 21.6298**, and **15.7693, 14.2042, 1.9105** is the 20% darker color. If you saturate the color by 10%, you get **34.1093, 30.8652, 5.4289**, and if you desaturate by 10%, it is **37.4222, 36.0379, 11.0129**.

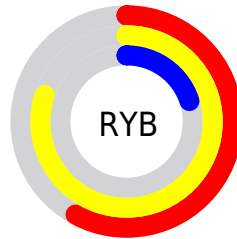
Distribution



Red (80%)

Green (57%)

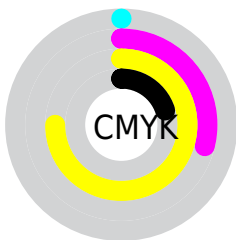
Blue (20%)



Red (58%)

Yellow (80%)

Blue (20%)

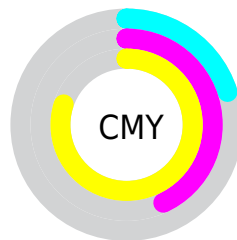


Cyan (0%)

Magenta (29%)

Yellow (75%)

Black (20%)



Cyan (20%)


Magenta (43%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6248, 33.3272, 7.6871 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 35.6248, 33.3272, 7.6871 by changing the saturation by 10% instead.


 35.6248, 33.3272,
7.6871


 35.6248, 33.3272,
7.6871

318.7775,
317.1215, 183.0988


 24.3133, 22.3772,
3.8105


 67.7802, 64.8860,
21.8787


 15.6922, 14.1343,
1.5220


 89.3549, 86.2637,
33.0307

 9.3961, 8.2142,
0.2342


 115.0813,
111.8860, 47.4450

 5.0596, 4.2323,
0.0000

 145.3249,
142.1374, 65.5400

 2.3174, 1.8043,
0.0000

 180.4509,
177.4022, 87.7344

 0.8035, 0.4899,
0.0000

 220.8248,

 0.0000, 0.0000,

218.0650, 114.4466

0.0000

266.8119,
264.5099, 146.0952

■ 35.6248, 33.3272,
7.6871

■ 35.6248, 33.3272,
7.6871

■ 34.1093, 30.8652,
5.4289

■ 37.4222, 36.0379,
11.0129

■ 32.8439, 28.6324,
4.0885

■ 39.5239, 39.0047,
15.5256

■ 32.2784, 27.5907,
3.6243

■ 41.9520, 42.2403,
21.3305

■ 44.7255, 45.7549,
28.5209

■ 47.8620, 49.5579,
37.1811

■ 51.3775, 53.6579,
47.3888

■ 55.2870, 58.0633,
59.2161

■ 59.6048, 62.7820,
72.7305

■ 64.3442, 67.8216,
87.9959

Harmonies

Analogous

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



43.9522, 33.3272, 12.4545



35.6248, 33.3272, 7.6871



27.4864, 33.3272, 7.8505

Triad

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



35.6248, 33.3272, 7.6871



18.7832, 33.3272, 50.3673



44.4962, 33.3272, 77.6080

Complementary

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



35.6248, 33.3272, 7.6871



17.8400, 16.2146, 59.3159

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.



36.2721, 33.3272, 99.5061



35.6248, 33.3272, 7.6871



21.9301, 33.3272, 79.6971

Square

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



35.6248, 33.3272, 7.6871



18.6709, 33.3272, 26.4686



28.0313, 33.3272, 100.4033



49.6424, 33.3272, 48.2766

Rectangle

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



35.6248, 33.3272, 7.6871



23.2397, 33.3272, 10.6194



28.0313, 33.3272, 100.4033



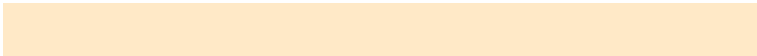
41.9419, 33.3272, 86.5485

Sweetspot

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



35.6256, 33.3289, 7.6877



80.7805, 83.8656, 65.9021



29.0215, 16.3795, 17.0201



16.9618, 17.5622, 13.1681



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.



35.6256, 33.3289, 7.6877



55.1496, 48.7897, 7.4589



43.1022, 54.2050, 11.3232



11.7765, 12.3419, 11.8410



20.4091, 17.5511, 2.3120



1.1250, 1.0497, 0.1433

Inverse Universe

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



17.8400, 16.2146, 59.3159



24.4798, 19.4660, 97.0748



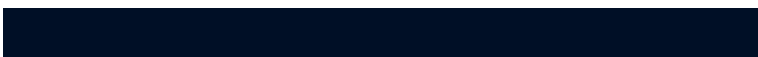
14.3502, 7.8963, 57.8942



10.9505, 11.5414, 14.2209



8.6884, 6.4008, 36.7338



0.5212, 0.4762, 1.9194

Previews

White Background



This preview shows how the XYZ color 35.6248, 33.3272, 7.6871 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 35.6248, 33.3272, 7.6871 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 35.6248, 33.3272, 7.6871

Background



This preview shows how black text looks on a background with the XYZ color 35.6248, 33.3272, 7.6871.



This preview shows how white text looks on a background with the XYZ color 35.6248, 33.3272,

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

35.6248, 33.3272, 7.6871

Protanopia

30.4020, 33.4942, 8.3527

Deuteranopia

34.0881, 33.4609, 7.6796



Tritanopia

40.5708, 33.3853, 31.4998

Trichromacy



Original Color

35.6248, 33.3272, 7.6871

Protanomaly

32.2835, 33.4786, 8.1287

Deuteranomaly

34.7188, 33.5522, 7.6640

Tritanomaly

38.1143, 33.0228, 19.4041

Monochromacy



Original Color

35.6248, 33.3272, 7.6871

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.6365, 31.3906, 20.6639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6248, 33.3272, 7.6871 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(204, 145, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 145, 51)  
}
```

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(204, 145, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 145, 51) }
```

Border

The CSS property to change the border of an element to XYZ 35.6248, 33.3272, 7.6871 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(204, 145, 51) }
```


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

```
.border{ border-color:rgb(204, 145, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 145, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 145, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 145, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 145,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6248, 33.3272, 7.6871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 145, 51) }
```

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

```
.background{ background-color: rgb(204,  
145, 51) }
```

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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