

Converting Colors

XYZ(35.8629, 33.2427, 6.8118)

Have a look what the booklet for
XYZ(35.8629, 33.2427, 6.8118)
contains.

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Color

**XYZ(35.8629, 33.2427,
6.8118)**

Conversions

Conversions Part 1

Format	Color
Hex	CE902B
RGB	206, 144, 43
RGB Percent	81%, 56%, 17%
CMY	0.1922, 0.4353, 0.8314
CMYK	0.00, 0.30, 0.79, 0.19
HSL	37°, 65%, 49%
HSV	37°, 79%, 81%
XYZ	35.8629, 33.2427, 6.8118
YIQ	151.0240, 69.3730, -18.2670

Conversions

Conversions Part 2

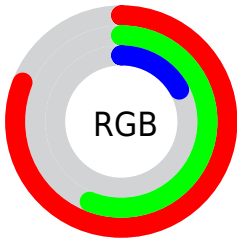
Format	Color
R _Y B	143, 206, 43
Decimal	13537323
CIE Lab	64.36, 14.94, 59.15
CIE LCh	64, 61.008, 75.827
Yxy	33.2427, 0.4724, 0.4379
Android (android.graphics.Color)	4291727403 (0xFFCE902B)
YUV	151.0240, -53.2558, 48.2140
Hunter-Lab	57.6565, 10.1299, 33.3547

Details

The XYZ color **35.8629, 33.2427, 6.8118** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.1882, 15.0725, 60.3955**, and the grayscale version is **29.6266, 31.1695, 33.9435**.

A 20% lighter version of the original color is **63.5918, 62.5112, 20.0235**, and **16.0353, 14.2085, 1.8974** is the 20% darker color. If you saturate the color by 10%, you get **34.4304, 30.8376, 4.9172**, and if you desaturate by 10%, it is **37.5700, 35.8921, 9.7393**.

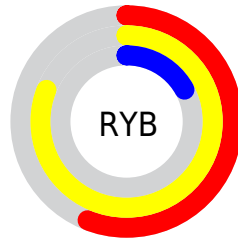
Distribution



Red (81%)

Green (56%)

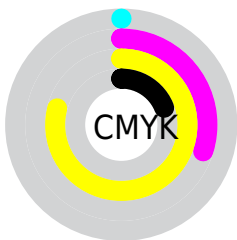
Blue (17%)



Red (56%)

Yellow (81%)

Blue (17%)

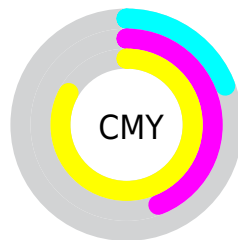


Cyan (0%)

Magenta (30%)

Yellow (79%)

Black (19%)



Cyan (19%)


Magenta (44%)


Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8629, 33.2427, 6.8118 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 35.8629, 33.2427, 6.8118 by changing the saturation by 10% instead.


 35.8629, 33.2427,
6.8118


 35.8629, 33.2427,
6.8118

319.8026,
316.7419, 175.6618


 24.4979, 22.3124,
3.2680


 68.1457, 64.7543,
20.1000


 15.8301, 14.0867,
1.2331


 89.7942, 86.1043,
30.6814


 9.4941, 8.1810,
0.0060


 115.6013,
111.6965, 44.4459

 5.1245, 4.2110,
0.0000

 145.9323,
141.9151, 61.8119

 2.3560, 1.7923,
0.0000

 181.1525,
177.1445, 83.1979

 0.8231, 0.4823,
0.0000

 221.6275,

 0.0000, 0.0000,

217.7692, 109.0226

0.0000

267.7224,
264.1736, 139.7043

■ 35.8629, 33.2427,
6.8118

■ 35.8629, 33.2427,
6.8118

■ 34.4304, 30.8376,
4.9172

■ 37.5700, 35.8921,
9.7393

■ 33.2263, 28.6517,
3.8309

■ 39.5763, 38.7943,
13.8315

■ 33.1270, 28.4688,
3.7490

■ 41.9056, 41.9625,
19.2026

■ 44.5782, 45.4073,
25.9524

■ 47.6127, 49.1386,
34.1707

■ 51.0260, 53.1654,
43.9398

■ 54.8339, 57.4964,
55.3357

■ 59.0511, 62.1395,
68.4294

■ 63.6916, 67.1026,
83.2877

Harmonies

Analogous

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



44.7165, 33.2427, 11.5917



35.8629, 33.2427, 6.8118



27.2579, 33.2427, 6.9298

Triad

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



35.8629, 33.2427, 6.8118



18.1017, 33.2427, 50.8656



45.1476, 33.2427, 80.7837

Complementary

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



35.8629, 33.2427, 6.8118



17.1882, 15.0725, 60.3955

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.



36.3720, 33.2427, 104.4391



35.8629, 33.2427, 6.8118



21.3317, 33.2427, 82.4625

Square

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



35.8629, 33.2427, 6.8118



18.0157, 33.2427, 25.7051



27.6821, 33.2427, 105.1650



50.7055, 33.2427, 49.2106

Rectangle

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



35.8629, 33.2427, 6.8118



22.7964, 33.2427, 9.6215



27.6821, 33.2427, 105.1650



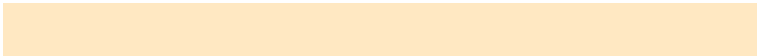
42.4111, 33.2427, 90.4518

Sweetspot

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



35.8637, 33.2444, 6.8124



79.7339, 82.7036, 62.6822



28.8923, 15.8797, 15.0380



16.6489, 17.2057, 12.2340



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.



35.8637, 33.2444, 6.8124



54.3839, 47.4340, 6.6617



42.9967, 54.8795, 10.6125



11.7815, 12.3519, 11.8426



20.4948, 17.7226, 2.3406



1.1291, 1.0579, 0.1447

Inverse Universe

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



17.1882, 15.0725, 60.3955



23.2524, 17.3839, 96.7376



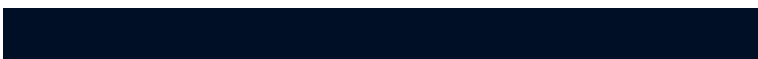
13.9924, 7.2090, 59.0462



10.9456, 11.5317, 14.2193



8.6398, 6.3036, 36.7176



0.5184, 0.4706, 1.9184

Previews

White Background



This preview shows how the XYZ color 35.8629, 33.2427, 6.8118 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 35.8629, 33.2427, 6.8118 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 35.8629, 33.2427, 6.8118

Background



This preview shows how black text looks on a background with the XYZ color 35.8629, 33.2427, 6.8118.



This preview shows how white text looks on a background with the XYZ color 35.8629, 33.2427,

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

35.8629, 33.2427, 6.8118

Protanopia

30.2293, 33.4252, 7.4432

Deuteranopia

34.0161, 33.2102, 6.7152



Tritanopia

40.7873, 33.0916, 31.0257

Trichromacy



Original Color

35.8629, 33.2427, 6.8118

Protanomaly

31.9516, 33.0850, 7.1846

Deuteranomaly

34.6711, 33.3140, 6.7934

Tritanomaly

38.3736, 32.9613, 18.5270

Monochromacy



Original Color

35.8629, 33.2427, 6.8118

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.3091, 31.0076, 19.7168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8629, 33.2427, 6.8118 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, 144, 43)` looks like.

```
.text, #text, p{  
    color:rgb(206, 144, 43)  
}
```

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, 144, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 144, 43) }
```

Border

The CSS property to change the border of an element to XYZ 35.8629, 33.2427, 6.8118 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, 144, 43) }
```


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

```
.border{ border-color:rgb(206, 144, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 144, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 144, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 144, 43);  
box-shadow:4px 4px 4px 4px rgb(206, 144,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8629, 33.2427, 6.8118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 144, 43) }
```

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

```
.background{ background-color: rgb(206,  
144, 43) }
```

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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