

Converting Colors

XYZ(33.7519, 30.0506, 4.2802)

Have a look what the booklet for
XYZ(33.7519, 30.0506, 4.2802)
contains.

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Color

**XYZ(33.7512, 30.0491,
4.2796)**

Conversions

Conversions Part 1

Format	Color
Hex	CD8609
RGB	205, 134, 9
RGB Percent	80%, 53%, 4%
CMY	0.1961, 0.4745, 0.9647
CMYK	0.00, 0.35, 0.96, 0.20
HSL	38°, 92%, 42%
HSV	38°, 96%, 80%
XYZ	33.7512, 30.0491, 4.2796
YIQ	140.9790, 82.4410, -23.8230

Conversions

Conversions Part 2

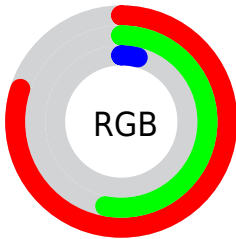
Format	Color
R _Y B	120, 205, 9
Decimal	13469193
CIE Lab	61.70, 19.17, 65.96
CIE LCh	62, 68.688, 73.795
Yxy	30.0491, 0.4958, 0.4414
Android (android.graphics.Color)	4291659273 (0xFFCD8609)
YUV	140.9790, -65.0656, 56.1464
Hunter-Lab	54.8171, 13.9737, 33.7431

Details

The XYZ color **33.7512, 30.0491, 4.2796** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **14.0009, 10.2035, 58.9885**, and the grayscale version is **25.5349, 26.8647, 29.2557**.

A 20% lighter version of the original color is **60.2464, 57.2951, 14.3623**, and **14.8474, 12.3604, 1.6033** is the 20% darker color. If you saturate the color by 10%, you get **33.2583, 29.1426, 3.8722**, and if you desaturate by 10%, it is **34.9934, 32.2476, 5.5758**.

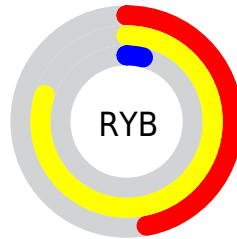
Distribution



Red (80%)

Green (53%)

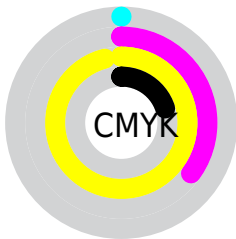
Blue (4%)



Red (47%)

Yellow (80%)

Blue (4%)

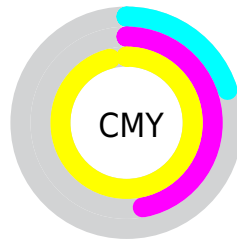


Cyan (0%)

Magenta (35%)

Yellow (96%)

Black (20%)



Cyan (20%)


Magenta (47%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.7512, 30.0491, 4.2796 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 33.7512, 30.0491, 4.2796 by changing the saturation by 10% instead.


 33.7512, 30.0491,
4.2796


 33.7512, 30.0491,
4.2796


310.6267,
302.1333, 151.2842


 22.8645, 19.8759,
1.7800


 64.8934, 59.7398,
14.6496

 14.6136, 12.3048,
0.4147


 85.8797, 80.0261,
23.3571

 8.6332, 6.9516,
0.0000


 110.9632,
104.4521, 34.9709

 4.5579, 3.4319,
0.0000

 140.5093,
133.4024, 49.9096

 2.0224, 1.3611,
0.0000

 174.8833,
167.2613, 68.5918


 0.6465, 0.1878,
0.0000


 214.4507,


 0.0000, 0.0000,


206.4131, 91.4359


0.0000


 259.5767,
251.2423, 118.8605


 33.7512, 30.0491,
4.2796


 33.7512, 30.0491,
4.2796


 33.2583, 29.1426,
3.8722

 34.9934, 32.2476,
5.5758

 36.4774, 34.6592,
7.7860

 38.2342, 37.2997,
11.0634

 40.2887, 40.1812,
15.5319

 42.6622, 43.3145,
21.2983

■ 45.3741, 46.7093,
28.4573

■ 48.4417, 50.3744,
37.0948

■ 51.8812, 54.3184,
47.2896

■ 55.7077, 58.5492,
59.1151

Harmonies

Analogous

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



43.2164, 30.0491, 8.7850



33.7512, 30.0491, 4.2796



24.5720, 30.0491, 4.1400

Triad

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



33.7512, 30.0491, 4.2796



14.6678, 30.0491, 46.2464



42.5312, 30.0491, 84.1519

Complementary

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



33.7512, 30.0491, 4.2796



14.0009, 10.2035, 58.9885

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.



32.9594, 30.0491, 109.9754



33.7512, 30.0491, 4.2796



17.6611, 30.0491, 81.3731

Square

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



33.7512, 30.0491, 4.2796



14.7909, 30.0491, 20.5867



23.9318, 30.0491, 108.7505



48.9780, 30.0491, 48.8698

Rectangle

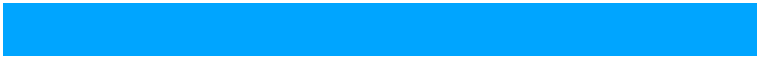
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



33.7512, 30.0491, 4.2796



19.8587, 30.0491, 6.1839



23.9318, 30.0491, 108.7505



39.4931, 30.0491, 94.8977

Sweetspot

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



33.7519, 30.0506, 4.2802



77.3877, 80.2025, 55.1448



26.7548, 13.7667, 9.0066



16.1047, 16.6154, 10.5166



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.



33.7519, 30.0506, 4.2802



54.2720, 47.3239, 6.2740



40.4401, 53.2498, 8.4055



11.7988, 12.3866, 11.8484



20.7978, 18.3286, 2.4416



1.1434, 1.0865, 0.1495

Inverse Universe

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



14.0009, 10.2035, 58.9885



21.9091, 14.9382, 96.3364



11.8151, 4.9631, 58.0922



10.9289, 11.4982, 14.2137



8.4779, 5.9798, 36.6637



0.5090, 0.4518, 1.9153

Previews

White Background



This preview shows how the XYZ color 33.7512, 30.0491, 4.2796 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 33.7512, 30.0491, 4.2796 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 33.7512, 30.0491, 4.2796

Background



This preview shows how black text looks on a background with the XYZ color 33.7512, 30.0491, 4.2796.



This preview shows how white text looks on a background with the XYZ color 33.7512, 30.0491,

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

33.7512, 30.0491, 4.2796

Protanopia

27.3697, 30.2882, 4.9340

Deuteranopia

30.6593, 30.1648, 4.2065



Tritanopia

38.2150, 30.0901, 26.3481

Trichromacy



Original Color

33.7512, 30.0491, 4.2796

Protanomaly

29.3439, 29.9233, 4.6446

Deuteranomaly

31.7547, 30.0739, 4.2173

Tritanomaly

35.5348, 29.5695, 13.2858

Monochromacy



Original Color

33.7512, 30.0491, 4.2796

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.3741, 26.8598, 14.1503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7512, 30.0491, 4.2796 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(205, 134, 9)` looks like.

```
.text, #text, p{  
    color:rgb(205, 134, 9)  
}
```

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(205, 134, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 134, 9) }
```

Border

The CSS property to change the border of an element to XYZ 33.7512, 30.0491, 4.2796 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(205, 134, 9) }
```


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

```
.border{ border-color:rgb(205, 134, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 134, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 134, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 134, 9);  
box-shadow:4px 4px 4px 4px rgb(205, 134,  
9) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7512, 30.0491, 4.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 134, 9) }
```

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

```
.background{ background-color: rgb(205,  
134, 9) }
```

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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