

Converting Colors

XYZ(33.4237, 29.5018, 4.5951)

Have a look what the booklet for
XYZ(33.4237, 29.5018, 4.5951)
contains.

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Color

**XYZ(33.2794, 29.3904,
4.5807)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8414
RGB	204, 132, 20
RGB Percent	80%, 52%, 8%
CMY	0.2000, 0.4823, 0.9215
CMYK	0.00, 0.35, 0.90, 0.20
HSL	37°, 82%, 44%
HSV	37°, 90%, 80%
XYZ	33.2794, 29.3904, 4.5807
YIQ	140.7600, 78.8640, -19.5680

Conversions

Conversions Part 2

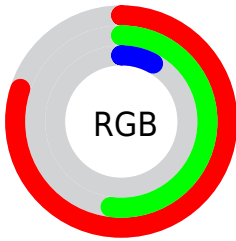
Format	Color
R_{YB}	138, 204, 20
Decimal	13403156
CIE _{Lab}	61.12, 19.98, 63.41
CIE _{LCh}	61, 66.487, 72.514
Yxy	29.3904, 0.4949, 0.4370
Android (android.graphics.Color)	4291593236 (0xFFCC8414)
YUV	140.7600, -59.5347, 55.4615
Hunter-Lab	54.2129, 14.7023, 32.9394

Details

The XYZ color **33.2794, 29.3904, 4.5807** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark washed orange. A complement of this color would be **15.0147, 12.1626, 58.6826**, and the grayscale version is **25.4285, 26.7528, 29.1338**.

A 20% lighter version of the original color is **60.0002, 56.5224, 15.1447**, and **14.5189, 11.9639, 1.5440** is the 20% darker color. If you saturate the color by 10%, you get **32.1317, 27.2972, 3.5754**, and if you desaturate by 10%, it is **34.6679, 31.7459, 6.3442**.

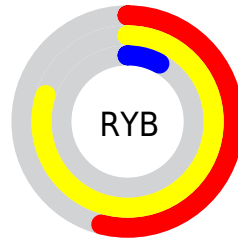
Distribution



Red (80%)

Green (52%)

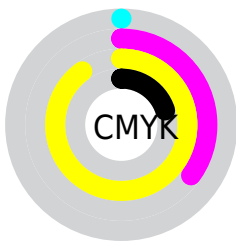
Blue (8%)



Red (54%)

Yellow (80%)

Blue (8%)

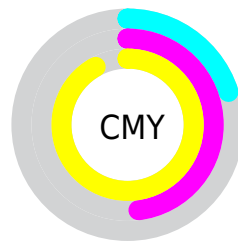


Cyan (0%)

Magenta (35%)

Yellow (90%)

Black (20%)



Cyan (20%)


Magenta (48%)


Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2794, 29.3904, 4.5807 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 33.2794, 29.3904, 4.5807 by changing the saturation by 10% instead.


 33.2794, 29.3904,
4.5807


 33.2794, 29.3904,
4.5807

308.5496,
299.0525, 154.4763

 22.5008, 19.3763,
1.9490


 64.1633, 58.6968,
15.3283


 14.3440, 11.9425,
0.5237


 84.9993, 78.7579,
24.2813

 8.4436, 6.7046,
0.0000


 109.9184,
102.9368, 36.1785

 4.4343, 3.2780,
0.0000

 139.2862,
131.6180, 51.4385

 1.9506, 1.2786,
0.0000

 173.4678,
165.1857, 70.4797

 0.6060, 0.1245,
0.0000

 212.8287,

 0.0000, 0.0000,

204.0245, 93.7207

0.0000

257.7342,
248.5186, 121.5801

33.2794, 29.3904,
4.5807

33.2794, 29.3904,
4.5807

32.1317, 27.2972,
3.5754

34.6679, 31.7459,
6.3442

36.3240, 34.3425,
9.1018

38.2751, 37.1954,
12.9872

40.5442, 40.3162,
18.1129

43.1515, 43.7159,
24.5778

■ 46.1155, 47.4041,
32.4704

■ 49.4529, 51.3902,
41.8718

■ 53.1794, 55.6828,
52.8568

■ 57.3095, 60.2902,
65.4954

Harmonies

Analogous

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



42.2000, 29.3904, 9.2888



33.2794, 29.3904, 4.5807



24.4580, 29.3904, 4.2921

Triad

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



33.2794, 29.3904, 4.5807



14.5590, 29.3904, 43.5701



40.8610, 29.3904, 82.0256

Complementary

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



33.2794, 29.3904, 4.5807



15.0147, 12.1626, 58.6826

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.



31.7262, 29.3904, 105.4578



33.2794, 29.3904, 4.5807



17.3120, 29.3904, 76.6345

Square

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



33.2794, 29.3904, 4.5807



14.8040, 29.3904, 19.6366



23.1952, 29.3904, 103.0895



47.1644, 29.3904, 48.6992

Rectangle

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



33.2794, 29.3904, 4.5807



19.8594, 29.3904, 6.1914



23.1952, 29.3904, 103.0895



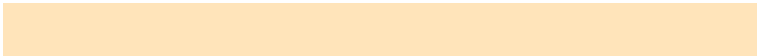
37.9470, 29.3904, 91.9437

Sweetspot

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



33.2801, 29.3919, 4.5812



77.8788, 80.3315, 57.9389



27.1546, 14.1388, 11.7944



16.2782, 16.7199, 11.3220



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.



33.2801, 29.3919, 4.5812



52.9985, 44.7769, 5.8495



41.8717, 53.6251, 8.8059



11.7710, 12.3310, 11.8392



20.3170, 17.3669, 2.2813



1.1206, 1.0409, 0.1419

Inverse Universe

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



15.0147, 12.1626, 58.6826



22.5858, 16.2917, 96.5619



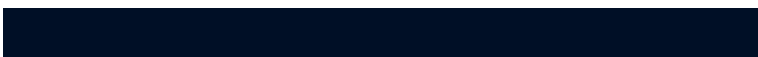
11.9636, 5.2799, 57.5150



10.9558, 11.5520, 14.2227



8.7420, 6.5080, 36.7517



0.5243, 0.4823, 1.9204

Previews

White Background



This preview shows how the XYZ color 33.2794, 29.3904, 4.5807 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 33.2794, 29.3904, 4.5807 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 × Fail

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

XYZ 33.2794, 29.3904, 4.5807

Background



This preview shows how black text looks on a background with the XYZ color 33.2794, 29.3904, 4.5807.



This preview shows how white text looks on a background with the XYZ color 33.2794, 29.3904,

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

33.2794, 29.3904, 4.5807

Protanopia

26.7017, 29.4655, 5.1998

Deuteranopia

29.9264, 29.3429, 4.3736



Tritanopia

37.5423, 29.3872, 25.5234

Trichromacy



Original Color

33.2794, 29.3904, 4.5807

Protanomaly

28.6500, 29.1112, 4.9196

Deuteranomaly

31.0172, 29.2605, 4.4285

Tritanomaly

35.0813, 28.9424, 13.6350

Monochromacy



Original Color

33.2794, 29.3904, 4.5807

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.5560, 26.9325, 15.1081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2794, 29.3904, 4.5807 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, 132, 20)` looks like.

```
.text, #text, p{  
    color:rgb(204, 132, 20)  
}
```

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, 132, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 132, 20) }
```

Border

The CSS property to change the border of an element to XYZ 33.2794, 29.3904, 4.5807 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, 132, 20) }
```


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

```
.border{ border-color:rgb(204, 132, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 132, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 132, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 132, 20);  
box-shadow:4px 4px 4px 4px rgb(204, 132,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2794, 29.3904, 4.5807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 132, 20) }
```

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

```
.background{ background-color: rgb(204,  
132, 20) }
```

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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