

Converting Colors

XYZ(33.0075, 28.5833, 5.3443)

Have a look what the booklet for
XYZ(33.0075, 28.5833, 5.3443)
contains.

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Color

**XYZ(33.0555, 28.6592,
5.3797)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8123
RGB	204, 129, 35
RGB Percent	80%, 51%, 14%
CMY	0.2000, 0.4941, 0.8627
CMYK	0.00, 0.37, 0.83, 0.20
HSL	33°, 71%, 47%
HSV	33°, 83%, 80%
XYZ	33.0555, 28.6592, 5.3797
YIQ	140.7090, 74.8740, -13.3340

Conversions

Conversions Part 2

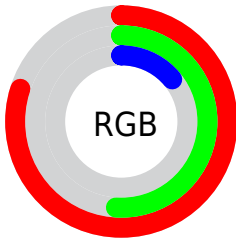
Format	Color
R _Y B	170, 204, 35
Decimal	13402403
CIE Lab	60.48, 21.96, 58.47
CIE LCh	60, 62.462, 69.412
Yxy	28.6592, 0.4927, 0.4271
Android (android.graphics.Color)	4291592483 (0xFFCC8123)
YUV	140.7090, -52.1145, 55.5062
Hunter-Lab	53.5343, 16.5323, 31.5159

Details

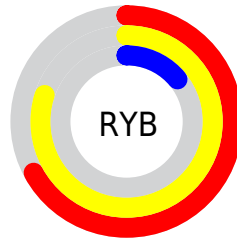
The XYZ color **33.0555, 28.6592, 5.3797** is a dark color, and the websafe version is hex **CC9933**. The color can be described as dark muted orange. A complement of this color would be **17.1680, 15.8684, 59.2845**, and the grayscale version is **25.3813, 26.7031, 29.0797**.

A 20% lighter version of the original color is **59.7711, 55.4372, 17.0014**, and **14.2976, 11.5213, 1.4703** is the 20% darker color. If you saturate the color by 10%, you get **31.6959, 26.2923, 3.8416**, and if you desaturate by 10%, it is **34.6979, 31.3107, 7.8802**.

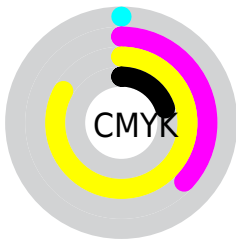
Distribution



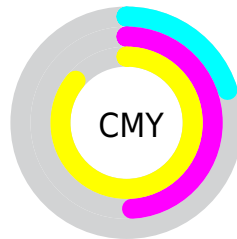
- Red (80%)
- Green (51%)
- Blue (14%)



- Red (67%)
- Yellow (80%)
- Blue (14%)



- Cyan (0%)
- Magenta (37%)
- Yellow (83%)
- Black (20%)





- Cyan (20%)
- Magenta (49%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0555, 28.6592, 5.3797 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 33.0555, 28.6592, 5.3797 by changing the saturation by 10% instead.


 33.0555, 28.6592,
5.3797


 33.0555, 28.6592,
5.3797


307.5603,
295.6036, 162.5089


 22.3284, 18.8232,
2.4091


 63.8163, 57.5352,
17.0840

 14.2164, 11.5426,
0.7914


 84.5806, 77.3439,
26.6548

 8.3540, 6.4330,
0.0000

 109.4215,
101.2457, 39.2628

 4.3760, 3.1101,
0.0000

 138.7042,
129.6248, 55.3265

 1.9170, 1.1895,
0.0000

 172.7941,
162.8658, 75.2644

 0.5867, 0.0531,
0.0000

 212.0565,

 0.0000, 0.0000,

201.3530, 99.4951

0.0000

256.8568,
245.4708, 128.4371

■ 33.0555, 28.6592,
5.3797

■ 33.0555, 28.6592,
5.3797

■ 31.6959, 26.2923,
3.8416

■ 34.6979, 31.3107,
7.8802

■ 30.8597, 24.7532,
3.1514

■ 36.6504, 34.2584,
11.4826

■ 38.9384, 37.5175,
16.3049

■ 41.5836, 41.1008,
22.4493

■ 44.6055, 45.0198,
30.0070

■ 48.0220, 49.2854,
39.0613

■ 51.8499, 53.9078,
49.6886

■ 56.1047, 58.8968,
61.9604

■ 60.8011, 64.2616,
75.9436

Harmonies

Analogous

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



41.0394, 28.6592, 10.6692



33.0555, 28.6592, 5.3797



24.7853, 28.6592, 4.7166

Triad

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



33.0555, 28.6592, 5.3797



14.6417, 28.6592, 39.0329



38.3003, 28.6592, 79.5345

Complementary

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



33.0555, 28.6592, 5.3797



17.1680, 15.8684, 59.2845

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.



29.8510, 28.6592, 98.5819



33.0555, 28.6592, 5.3797



16.9426, 28.6592, 68.6751

Square

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



33.0555, 28.6592, 5.3797



15.1637, 28.6592, 18.0644



22.1495, 28.6592, 93.8472



44.4578, 28.6592, 49.5407

Rectangle

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



33.0555, 28.6592, 5.3797



20.3214, 28.6592, 6.3231



22.1495, 28.6592, 93.8472



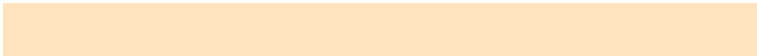
35.5731, 28.6592, 87.9671

Sweetspot

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



33.0561, 28.6607, 5.3802



78.0614, 79.8124, 60.7256



28.3750, 15.1884, 16.4901



16.2736, 16.5417, 11.8415



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.



33.0561, 28.6607, 5.3802



51.0723, 40.9022, 5.2763



44.5442, 54.9823, 9.8553



11.7211, 12.2312, 11.8225



19.5177, 15.7684, 2.0149



1.0818, 0.9634, 0.1289

Inverse Universe

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



17.1680, 15.8684, 59.2845



24.1646, 19.4018, 97.0791



12.5156, 6.0854, 57.6414



11.0047, 11.6498, 14.2390



9.2791, 7.5822, 36.9307



0.5539, 0.5416, 1.9303

Previews

White Background



This preview shows how the XYZ color 33.0555, 28.6592, 5.3797 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 33.0555, 28.6592, 5.3797 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 33.0555, 28.6592, 5.3797

Background



This preview shows how black text looks on a background with the XYZ color 33.0555, 28.6592, 5.3797.



This preview shows how white text looks on a background with the XYZ color 33.0555, 28.6592,

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

33.0555, 28.6592, 5.3797

Protanopia

26.1266, 28.9132, 6.2113

Deuteranopia

29.2341, 28.7493, 5.2367



Tritanopia

36.9734, 28.5732, 24.3354

Trichromacy



Original Color

33.0555, 28.6592, 5.3797

Protanomaly

28.3183, 28.4798, 5.8383

Deuteranomaly

30.4105, 28.5086, 5.2664

Tritanomaly

34.8806, 28.2575, 14.4423

Monochromacy



Original Color

33.0555, 28.6592, 5.3797

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

26.6538, 26.7431, 16.3275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0555, 28.6592, 5.3797 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, 129, 35)` looks like.

```
.text, #text, p{  
    color:rgb(204, 129, 35)  
}
```

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, 129, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 129, 35) }
```

Border

The CSS property to change the border of an element to XYZ 33.0555, 28.6592, 5.3797 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, 129, 35) }
```


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

```
.border{ border-color:rgb(204, 129, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 129, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 129, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 129, 35);  
box-shadow:4px 4px 4px 4px rgb(204, 129,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0555, 28.6592, 5.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 129, 35) }
```

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

```
.background{ background-color: rgb(204,  
129, 35) }
```

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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