

Converting Colors

XYZ(33.0389, 28.8314, 15.1329)

Have a look what the booklet for
XYZ(33.0389, 28.8314, 15.1329)
contains.

XYZ(33.0389, 28.8314, 15.1329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0389, 28.8314,
15.1329)**

Conversions

Conversions Part 1

Format	Color
Hex	C48361
RGB	196, 131, 97
RGB Percent	77%, 51%, 38%
CMY	0.2314, 0.4863, 0.6196
CMYK	0.00, 0.33, 0.51, 0.23
HSL	21°, 46%, 57%
HSV	21°, 51%, 77%
XYZ	33.0389, 28.8314, 15.1329
YIQ	146.5590, 49.6540, 3.2060

Conversions

Conversions Part 2

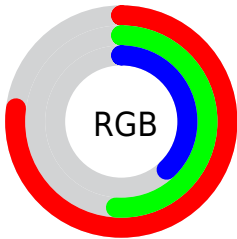
Format	Color
RYB	196, 149, 97
Decimal	12878689
CIELab	60.63, 21.25, 28.53
CIELCh	61, 35.570, 53.321
Yxy	28.8314, 0.4291, 0.3744
Android (android.graphics.Color)	4291068769 (0xFFC48361)
YUV	146.5590, -24.4326, 43.3598
Hunter-Lab	53.6949, 15.8665, 20.8766

Details

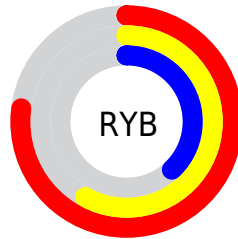
The XYZ color **33.0389, 28.8314, 15.1329** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **27.8132, 32.3661, 57.0058**, and the grayscale version is **27.6350, 29.0742, 31.6618**.

A 20% lighter version of the original color is **63.7258, 57.6791, 35.7914**, and **14.1656, 11.6041, 4.5108** is the 20% darker color. If you saturate the color by 10%, you get **30.6133, 25.2665, 10.3591**, and if you desaturate by 10%, it is **35.9064, 32.9188, 21.1684**.

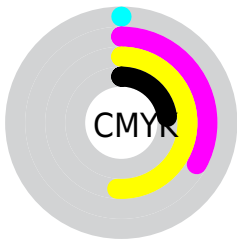
Distribution



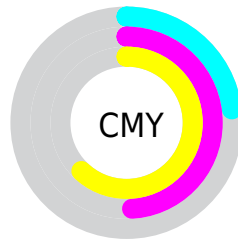
- Red (77%)
- Green (51%)
- Blue (38%)



- Red (77%)
- Yellow (58%)
- Blue (38%)



- Cyan (0%)
- Magenta (33%)
- Yellow (51%)
- Black (23%)





- Cyan (23%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0389, 28.8314, 15.1329 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 33.0389, 28.8314, 15.1329 by changing the saturation by 10% instead.


 33.0389, 28.8314,
15.1329


 33.0389, 28.8314,
15.1329

307.4869,
296.4186, 235.8376

 22.3156, 18.9533,
8.7651

 63.7905, 57.8091,
35.8318


 14.2069, 11.6365,
4.4935


 84.5496, 77.6775,
50.9998

 8.3474, 6.4967,
1.8998


 109.3846,
101.6448, 69.9384

 4.3717, 3.1494,
0.4926

 138.6610,
130.0954, 93.0660

 1.9145, 1.2102,
0.0000

172.7440,
163.4137, 120.8012

 0.5852, 0.0700,
0.0000

211.9991,

 0.0000, 0.0000,

201.9841, 153.5625

0.0000

256.7916,
246.1909, 191.7685

■ 33.0389, 28.8314,
15.1329

■ 33.0389, 28.8314,
15.1329

■ 30.6133, 25.2665,
10.3591

■ 35.9064, 32.9188,
21.1684

■ 28.6026, 22.1974,
6.7535

■ 39.2363, 37.5453,
28.5465

■ 26.9801, 19.6011,
4.2122

■ 43.0502, 42.7322,
37.3434

■ 25.7137, 17.4507,
2.6115

■ 47.3679, 48.4980,
47.6287

■ 24.7912, 15.7885,
1.7408

■ 52.2076, 54.8605,
59.4678

■ 57.5869, 61.8366,
72.9220

■ 63.5225, 69.4427,
88.0491

■ 70.0302, 77.6944,
104.9044

■ 74.0191, 85.3642,
107.1835

Harmonies

Analogous

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



36.3634, 28.8314, 22.3869



33.0389, 28.8314, 15.1329



28.4459, 28.8314, 12.3437

Triad

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



33.0389, 28.8314, 15.1329



19.5175, 28.8314, 28.5352



31.0597, 28.8314, 60.9054

Complementary

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



33.0389, 28.8314, 15.1329



27.8132, 32.3661, 57.0058

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.



26.3866, 28.8314, 63.9081



33.0389, 28.8314, 15.1329



20.0512, 28.8314, 42.5377

Square

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



33.0389, 28.8314, 15.1329



20.8989, 28.8314, 18.5527



22.4482, 28.8314, 56.4327



35.1342, 28.8314, 49.1031

Rectangle

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



33.0389, 28.8314, 15.1329



25.4138, 28.8314, 12.6196



22.4482, 28.8314, 56.4327



29.4942, 28.8314, 63.0921

Sweetspot

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



33.0396, 28.8328, 15.1335



81.9976, 82.7881, 77.1333



33.6506, 22.9297, 37.3027



17.1958, 17.2453, 15.6660



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.



33.0396, 28.8328, 15.1335



54.8851, 44.9122, 17.6936



41.1431, 45.0398, 17.8346



10.3497, 10.6309, 10.5684



16.0023, 10.2903, 1.1428



0.7562, 0.5741, 0.0710

Inverse Universe

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



27.8132, 32.3661, 57.0058



44.2650, 51.9383, 102.2998



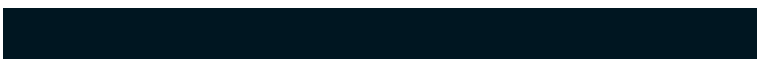
20.8548, 18.4493, 54.6863



10.0678, 10.8270, 12.8440



11.5018, 12.7600, 35.4133



0.5590, 0.6755, 1.5508

Previews

White Background



This preview shows how the XYZ color 33.0389, 28.8314, 15.1329 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 33.0389, 28.8314, 15.1329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

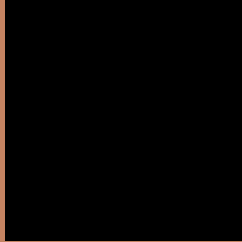
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0389, 28.8314, 15.1329

Background



This preview shows how black text looks on a background with the XYZ color 33.0389, 28.8314, 15.1329.



This preview shows how white text looks on a background with the XYZ color 33.0389, 28.8314,

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

33.0389, 28.8314, 15.1329

Protanopia

26.9825, 29.1158, 17.0297

Deuteranopia

29.3481, 28.8125, 14.8410



Tritanopia

35.3872, 28.8131, 26.6180

Trichromacy



Original Color

33.0389, 28.8314, 15.1329

Protanomaly

28.8871, 28.7600, 16.3406

Deuteranomaly

30.5854, 28.8031, 15.0139

Tritanomaly

34.4591, 28.8246, 21.8367

Monochromacy



Original Color

33.0389, 28.8314, 15.1329

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.0044, 28.6341, 24.7671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0389, 28.8314, 15.1329 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(196, 131, 97)` looks like.

```
.text, #text, p{  
    color:rgb(196, 131, 97)  
}
```

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(196, 131, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 131, 97) }
```

Border

The CSS property to change the border of an element to XYZ 33.0389, 28.8314, 15.1329 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(196, 131, 97) }
```


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

```
.border{ border-color:rgb(196, 131, 97) }
```

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

Here you see how a box with a 4 pixel rgb(196, 131, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 131, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 131, 97);  
box-shadow:4px 4px 4px 4px rgb(196, 131,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0389, 28.8314, 15.1329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 131, 97) }
```

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

```
.background{ background-color: rgb(196,  
131, 97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor