

Converting Colors

XYZ(33.0797, 28.3458, 6.8938)

Have a look what the booklet for
XYZ(33.0797, 28.3458, 6.8938)
contains.

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Color

**XYZ(33.2186, 28.5147,
6.8851)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8033
RGB	204, 128, 51
RGB Percent	80%, 50%, 20%
CMY	0.2000, 0.4980, 0.8000
CMYK	0.00, 0.37, 0.75, 0.20
HSL	30°, 60%, 50%
HSV	30°, 75%, 80%
XYZ	33.2186, 28.5147, 6.8851
YIQ	141.9460, 70.0130, -7.8350

Conversions

Conversions Part 2

Format	Color
R_{YB}	202, 204, 51
Decimal	13402163
CIE _{Lab}	60.35, 23.10, 51.96
CIE _{LCh}	60, 56.862, 66.034
Yxy	28.5147, 0.4841, 0.4156
Android (android.graphics.Color)	4291592243 (0xFFCC8033)
YUV	141.9460, -44.8364, 54.4214
Hunter-Lab	53.3992, 17.5929, 29.7348

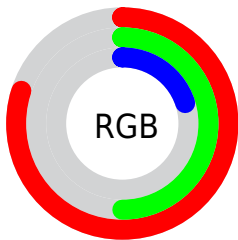
Details

The XYZ color **33.2186, 28.5147, 6.8851** is a dark color, and the websafe version is hex **CC9933**.

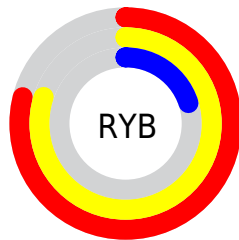
The color can be described as dark muted orange. A complement of this color would be **19.8534, 20.2414, 59.9871**, and the grayscale version is **25.8429, 27.1888, 29.6086**.

A 20% lighter version of the original color is **60.1621, 55.2671, 20.0671**, and **14.4014, 11.4685, 1.4546** is the 20% darker color. If you saturate the color by 10%, you get **31.6073, 25.8611, 4.5949**, and if you desaturate by 10%, it is **35.1604, 31.5141, 10.2589**.

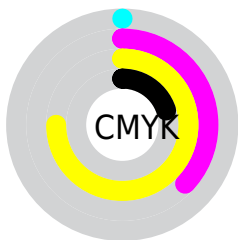
Distribution



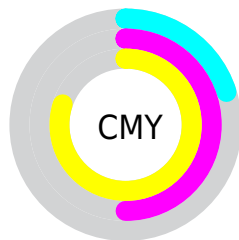
- Red (80%)
- Green (50%)
- Blue (20%)



- Red (79%)
- Yellow (80%)
- Blue (20%)



- Cyan (0%)
- Magenta (37%)
- Yellow (75%)
- Black (20%)





- Cyan (20%)
- Magenta (50%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2186, 28.5147, 6.8851 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 33.2186, 28.5147, 6.8851 by changing the saturation by 10% instead.


 33.2186, 28.5147,
6.8851


 33.2186, 28.5147,
6.8851


308.2812,
294.9182, 176.3001

 22.4540, 18.7140,
3.3130


 64.0691, 57.3051,
20.2506

 14.3093, 11.4638,
1.2566


 84.8856, 77.0637,
30.8811

 8.4193, 6.3797,
0.0258


 109.7836,
100.9103, 44.7014

 4.4184, 3.0773,
0.0000

 139.1282,
129.2294, 62.1302

 1.9415, 1.1722,
0.0000

 173.2850,
162.4053, 83.5859

 0.6008, 0.0388,
0.0000

 212.6191,

 0.0000, 0.0000,

200.8225, 109.4871

0.0000

257.4961,
244.8653, 140.2523

■ 33.2186, 28.5147,
6.8851

■ 33.2186, 28.5147,
6.8851

■ 31.6073, 25.8611,
4.5949

■ 35.1604, 31.5141,
10.2589

■ 30.2928, 23.5301,
3.2381

■ 37.4574, 34.8715,
14.8367

■ 29.7195, 22.4728,
2.7713

■ 40.1335, 38.6034,
20.7244

■ 43.2099, 42.7236,
28.0157

■ 46.7056, 47.2451,
36.7957

■ 50.6386, 52.1801,
47.1426

■ 55.0256, 57.5403,
59.1290

■ 59.8823, 63.3368,
72.8231

■ 65.2235, 69.5801,
88.2892

Harmonies

Analogous

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



40.1241, 28.5147, 12.8844



33.2186, 28.5147, 6.8851



25.6523, 28.5147, 5.7631

Triad

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



33.2186, 28.5147, 6.8851



15.3948, 28.5147, 35.4719



36.2350, 28.5147, 76.2714

Complementary

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



33.2186, 28.5147, 6.8851



19.8534, 20.2414, 59.9871

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.



28.6061, 28.5147, 90.7062



33.2186, 28.5147, 6.8851



17.2553, 28.5147, 61.2392

Square

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



33.2186, 28.5147, 6.8851



16.1853, 28.5147, 17.4048



21.7871, 28.5147, 84.2335



42.0731, 28.5147, 50.4254

Rectangle

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



33.2186, 28.5147, 6.8851



21.3922, 28.5147, 7.1124



21.7871, 28.5147, 84.2335



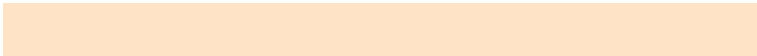
33.7477, 28.5147, 83.0453

Sweetspot

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



33.2192, 28.5162, 6.8856



79.0432, 80.3909, 65.3229



29.9492, 16.7506, 21.9051



16.5514, 16.7413, 13.0313



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.



33.2192, 28.5162, 6.8856



50.9468, 40.3841, 6.0580



47.0921, 56.2619, 11.5099



11.6711, 12.1311, 11.8058



18.7991, 14.3312, 1.7754



1.0457, 0.8911, 0.1169

Inverse Universe

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



19.8534, 20.2414, 59.9871



27.7676, 26.0415, 98.1708



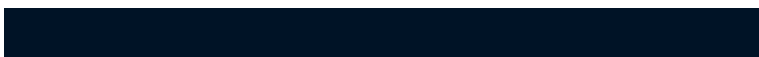
13.4484, 7.4314, 57.8521



11.0543, 11.7490, 14.2555



9.9021, 8.8283, 37.1384



0.5868, 0.6073, 1.9412

Previews

White Background



This preview shows how the XYZ color 33.2186, 28.5147, 6.8851 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 33.2186, 28.5147, 6.8851 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 33.2186, 28.5147, 6.8851

Background



This preview shows how black text looks on a background with the XYZ color 33.2186, 28.5147, 6.8851.



This preview shows how white text looks on a background with the XYZ color 33.2186, 28.5147,

6.8851.

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

33.2186, 28.5147, 6.8851

Protanopia

26.0970, 28.6298, 7.8920

Deuteranopia

29.2946, 28.7459, 6.8008



Tritanopia

36.6913, 28.4278, 24.3222

Trichromacy



Original Color

33.2186, 28.5147, 6.8851

Protanomaly

28.2586, 28.1966, 7.4431

Deuteranomaly

30.7042, 28.6261, 6.8128

Tritanomaly

35.1640, 28.3709, 15.9347

Monochromacy



Original Color

33.2186, 28.5147, 6.8851

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

27.2230, 26.9948, 18.2437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2186, 28.5147, 6.8851 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, 128, 51)` looks like.

```
.text, #text, p{  
    color:rgb(204, 128, 51)  
}
```

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, 128, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 128, 51) }
```

Border

The CSS property to change the border of an element to XYZ 33.2186, 28.5147, 6.8851 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, 128, 51) }
```


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

```
.border{ border-color:rgb(204, 128, 51) }
```

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

Here you see how a box with a 4 pixel rgb(204, 128, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 128, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 128, 51);  
box-shadow:4px 4px 4px 4px rgb(204, 128,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2186, 28.5147, 6.8851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 128, 51) }
```

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

```
.background{ background-color: rgb(204,  
128, 51) }
```

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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