

Converting Colors

XYZ(33.1709, 42.7473, 31.2781)

Have a look what the booklet for
XYZ(33.1709, 42.7473, 31.2781)
contains.

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Color

**XYZ(33.1077, 42.5867,
31.2860)**

Conversions

Conversions Part 1

Format	Color
Hex	8CBA8C
RGB	140, 186, 140
RGB Percent	55%, 73%, 55%
CMY	0.4510, 0.2706, 0.4510
CMYK	0.25, 0.00, 0.25, 0.27
HSL	120°, 25%, 64%
HSV	120°, 25%, 73%
XYZ	33.1077, 42.5867, 31.2860
YIQ	167.0020, -12.6500, -24.0580

Conversions

Conversions Part 2

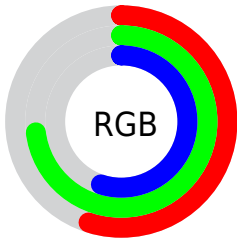
Format	Color
RYB	140, 186, 186
Decimal	9222796
CIELab	71.27, -24.38, 18.50
CIELCh	71, 30.599, 142.809
Yxy	42.5867, 0.3095, 0.3981
Android (android.graphics.Color)	4287412876 (0xFF8CBA8C)
YUV	167.0020, -13.3120, -23.6808
Hunter-Lab	65.2585, -23.6436, 17.2563

Details

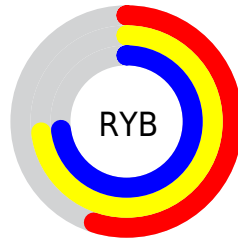
The XYZ color **33.1077, 42.5867, 31.2860** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.4921, 32.7413, 50.7470**, and the grayscale version is **36.7997, 38.7161, 42.1618**.

A 20% lighter version of the original color is **63.7379, 78.8686, 62.9028**, and **14.3528, 19.6371, 12.7067** is the 20% darker color. If you saturate the color by 10%, you get **28.9770, 40.6038, 24.5286**, and if you desaturate by 10%, it is **38.0023, 44.9391, 39.2911**.

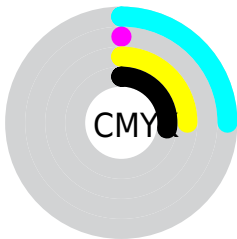
Distribution



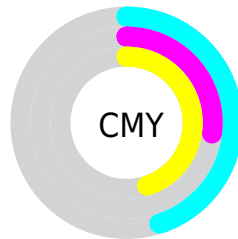
- Red (55%)
- Green (73%)
- Blue (55%)



- Red (55%)
- Yellow (73%)
- Blue (73%)



- Cyan (25%)
- Magenta (0%)
- Yellow (25%)
- Black (27%)



- Cyan (45%)
- Magenta (27%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1077, 42.5867, 31.2860 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 33.1077, 42.5867, 31.2860 by changing the saturation by 10% instead.

■ 33.1077, 42.5867,
31.2860

■ 33.1077, 42.5867,
31.2860

307.7912,
356.9093, 322.2457

■ 22.3686, 29.5610,
20.5564

■ 63.8972, 79.0868,
62.7749

■ 14.2461, 19.5056,
12.6121

■ 84.6783, 103.3300,
84.3713

■ 8.3749, 12.0362,
7.0344

■ 109.5374,
132.0811, 110.4272

■ 4.3896, 6.7683,
3.4049

138.8400,
165.7245, 141.3609

■ 1.9248, 3.3176,
1.3049

172.9512,
204.6446, 177.5910

■ 0.5912, 1.2997,
0.0658

212.2366,

■ 0.0000, 0.1410,

249.2259, 219.5362

0.0000

257.0615,
299.8526, 267.6149

■ 0.0000, 0.0000,
0.0000

■ 33.1077, 42.5867,
31.2860

■ 33.1077, 42.5867,
31.2860

■ 28.9770, 40.6038,
24.5286

■ 38.0023, 44.9391,
39.2911

■ 25.5686, 38.9665,
18.9535

■ 43.6931, 47.6727,
48.5993

■ 22.8419, 37.6568,
14.4935


■ 50.2144, 50.8052,
59.2661


■ 20.7513, 36.6525,
11.0738


■ 57.5978, 54.3518,
71.3429


■ 19.2451, 35.9291,
8.6102


■ 65.8731, 58.3269,
84.8784

 18.2640, 35.4578,
7.0054

 75.0687, 62.7440,
99.9192

 17.7361, 35.2042,
6.1418

 76.8498, 63.5995,
102.8333

 17.5598, 35.1195,
5.8534

Harmonies

Analogous

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



36.7678, 42.5867, 24.8762



33.1077, 42.5867, 31.2860



31.4473, 42.5867, 42.9179

Triad

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



33.1077, 42.5867, 31.2860



39.2535, 42.5867, 80.4782



50.2821, 42.5867, 36.2454

Complementary

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



33.1077, 42.5867, 31.2860



38.4921, 32.7413, 50.7470

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.



51.0892, 42.5867, 50.0017



33.1077, 42.5867, 31.2860



44.4284, 42.5867, 77.6390

Square

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



33.1077, 42.5867, 31.2860



34.7955, 42.5867, 72.7522



48.8668, 42.5867, 65.6571



46.7464, 42.5867, 27.2882

Rectangle

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



33.1077, 42.5867, 31.2860



31.5896, 42.5867, 52.9281



48.8668, 42.5867, 65.6571



50.8931, 42.5867, 40.3767

Sweetspot

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



33.1088, 42.5885, 31.2869



76.5998, 85.1600, 83.8441



42.5441, 47.4526, 31.7281



16.7271, 18.6857, 18.2325



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.1088, 42.5885, 31.2869



55.5281, 75.0382, 49.3777



34.9861, 43.3394, 41.1728



8.8904, 10.0601, 9.5802



11.8131, 23.6262, 3.9378



0.4164, 0.8329, 0.1388

Inverse Universe

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



38.4921, 32.7413, 50.7470



67.0634, 53.9376, 91.0766



36.2399, 31.8404, 38.8872



9.3810, 9.1628, 11.3536



19.5858, 9.4081, 32.0353



0.6905, 0.3317, 1.1293

Previews

White Background



This preview shows how the XYZ color 33.1077, 42.5867, 31.2860 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 33.1077, 42.5867, 31.2860 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

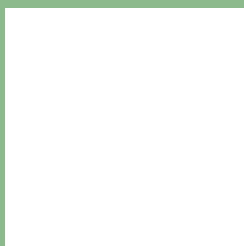
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1077, 42.5867, 31.2860

Background



This preview shows how black text looks on a background with the XYZ color 33.1077, 42.5867, 31.2860.



This preview shows how white text looks on a background with the XYZ color 33.1077, 42.5867,

31.2860.

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

33.1077, 42.5867, 31.2860

Protanopia

39.6888, 42.4324, 28.6527

Deuteranopia

42.9402, 42.0686, 32.2424



Tritanopia

38.1402, 42.4800, 56.6413

Trichromacy



Original Color

33.1077, 42.5867, 31.2860

Protanomaly

36.7265, 42.0534, 29.4740

Deuteranomaly

38.6844, 41.8390, 32.0234

Tritanomaly

36.2220, 42.6229, 46.3623

Monochromacy



Original Color

33.1077, 42.5867, 31.2860

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.1265, 39.8745, 37.7435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1077, 42.5867, 31.2860 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(140, 186, 140)` looks like.

```
.text, #text, p{  
    color:rgb(140, 186, 140)  
}
```

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(140, 186, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 186, 140) }
```

Border

The CSS property to change the border of an element to XYZ 33.1077, 42.5867, 31.2860 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(140, 186, 140) }
```


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

```
.border{ border-color:rgb(140, 186, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 186, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 186, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 186, 140);  
box-shadow:4px 4px 4px 4px rgb(140, 186,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1077, 42.5867, 31.2860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 186, 140) }
```

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

```
.background{ background-color: rgb(140,  
186, 140) }
```

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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