

Converting Colors

XYZ(33.1144, 40.1058, 30.3719)

Have a look what the booklet for
XYZ(33.1144, 40.1058, 30.3719)
contains.

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Color

**XYZ(33.1583, 40.1889,
30.4357)**

Conversions

Conversions Part 1

Format	Color
Hex	96B28B
RGB	150, 178, 139
RGB Percent	59%, 70%, 55%
CMY	0.4118, 0.3019, 0.4549
CMYK	0.16, 0.00, 0.22, 0.30
HSL	103°, 20%, 62%
HSV	103°, 22%, 70%
XYZ	33.1583, 40.1889, 30.4357
YIQ	165.1820, -4.1690, -18.0650

Conversions

Conversions Part 2

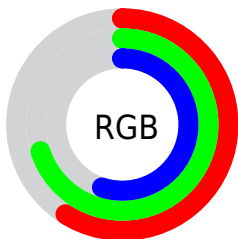
Format	Color
RYB	139, 178, 167
Decimal	9876107
CIELab	69.60, -17.00, 16.82
CIELCh	70, 23.917, 135.297
Yxy	40.1889, 0.3195, 0.3872
Android (android.graphics.Color)	4288066187 (0xFF96B28B)
YUV	165.1820, -12.9077, -13.3146
Hunter-Lab	63.3947, -17.5772, 15.9113

Details

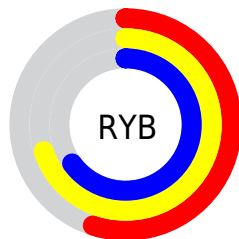
The XYZ color **33.1583, 40.1889, 30.4357** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **33.2064, 29.8962, 46.1420**, and the grayscale version is **35.9139, 37.7842, 41.1470**.

A 20% lighter version of the original color is **63.9503, 75.5333, 61.6609**, and **14.2824, 18.0411, 12.1807** is the 20% darker color. If you saturate the color by 10%, you get **29.7375, 38.5648, 24.0303**, and if you desaturate by 10%, it is **37.0496, 42.0334, 37.9702**.

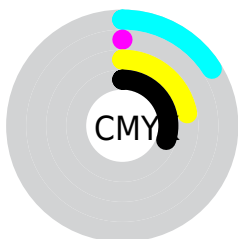
Distribution



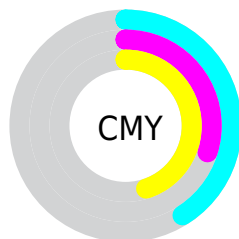
- Red (59%)
- Green (70%)
- Blue (55%)



- Red (55%)
- Yellow (70%)
- Blue (65%)



- Cyan (16%)
- Magenta (0%)
- Yellow (22%)
- Black (30%)





- Cyan (41%)
- Magenta (30%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1583, 40.1889, 30.4357 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 33.1583, 40.1889, 30.4357 by changing the saturation by 10% instead.


 33.1583, 40.1889,
30.4357


 33.1583, 40.1889,
30.4357


308.0148,
346.9191, 318.2004

 22.4076, 27.6859,
19.9147


 63.9756, 75.4511,
61.4197

 14.2749, 18.0890,
12.1496


 84.7729, 98.9790,
82.7197

 8.3951, 11.0139,
6.7219


 109.6498,
126.9507, 108.4498

 4.4027, 6.0762,
3.2130

138.9715,
159.7505, 139.0285

 1.9324, 2.8915,
1.2044

173.1036,
197.7629, 174.8744

 0.5956, 1.0753,
0.0000

212.4112,

 0.0000, 0.0000,

241.3721, 216.4060

0.0000

257.2598,
290.9628, 264.0418

■ 33.1583, 40.1889,
30.4357

■ 33.1583, 40.1889,
30.4357

■ 29.7375, 38.5648,
24.0303

■ 37.0496, 42.0334,
37.9702

■ 26.7655, 37.1477,
18.6972

■ 41.4256, 44.1010,
46.6820

■ 24.2237, 35.9303,
14.3784

■ 46.3037, 46.4009,
56.6193

■ 22.0909, 34.9032,
11.0096

■ 51.6997, 48.9401,
67.8271

■ 20.3438, 34.0558,
8.5188

■ 57.6285, 51.7255,
80.3481

■ 18.9565, 33.3767,
6.8240

■ 64.1043, 54.7636,
94.2229

■ 17.8994, 32.8527,
5.8276

■ 69.7245, 57.4939,
102.0303

■ 17.2465, 32.5256,
5.3691

■ 74.2044, 59.8034,
102.2399

■ 75.2112, 60.3224,
102.2871

Harmonies

Analogous

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



36.2720, 40.1889, 26.2797



33.1583, 40.1889, 30.4357



31.4547, 40.1889, 38.5787

Triad

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



33.1583, 40.1889, 30.4357



36.3439, 40.1889, 67.7291



45.8204, 40.1889, 38.3830

Complementary

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



33.1583, 40.1889, 30.4357



33.2064, 29.8962, 46.1420

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.



45.8430, 40.1889, 49.3832



33.1583, 40.1889, 30.4357



40.1917, 40.1889, 67.6527

Square

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



33.1583, 40.1889, 30.4357



33.2079, 40.1889, 60.6875



43.7249, 40.1889, 60.4936



43.6652, 40.1889, 30.3133

Rectangle

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



33.1583, 40.1889, 30.4357



31.2692, 40.1889, 45.7524



43.7249, 40.1889, 60.4936



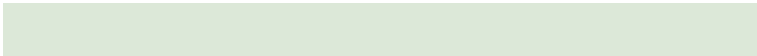
46.0822, 40.1889, 41.8241

Sweetspot

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



33.1594, 40.1906, 30.4366



70.8730, 77.9654, 76.1481



36.8315, 38.9499, 30.0035



15.5992, 17.2247, 16.6665



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



33.1594, 40.1906, 30.4366



57.2098, 71.4937, 49.6718



31.8709, 39.4523, 33.7254



8.6066, 9.6023, 9.0523



12.3937, 23.2993, 3.8440



0.4484, 0.7632, 0.1237

Inverse Universe

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



33.2064, 29.8962, 46.1420



57.3059, 49.6788, 82.9498



34.8074, 30.8165, 41.9228



8.6118, 8.5239, 10.6977



12.1617, 5.6054, 30.5779



0.4362, 0.2040, 0.9646

Previews

White Background



This preview shows how the XYZ color 33.1583, 40.1889, 30.4357 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 33.1583, 40.1889, 30.4357 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 33.1583, 40.1889, 30.4357

Background



This preview shows how black text looks on a background with the XYZ color 33.1583, 40.1889, 30.4357.



This preview shows how white text looks on a background with the XYZ color 33.1583, 40.1889,

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

33.1583, 40.1889, 30.4357

Protanopia

37.3835, 39.8285, 28.6390

Deuteranopia

40.7446, 39.8831, 31.1419



Tritanopia

37.4141, 40.1759, 51.6817

Trichromacy



Original Color

33.1583, 40.1889, 30.4357

Protanomaly

35.5586, 39.7176, 29.0847

Deuteranomaly

37.4008, 39.5121, 30.8547

Tritanomaly

35.5304, 39.9693, 42.8880

Monochromacy



Original Color

33.1583, 40.1889, 30.4357

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.8727, 38.6233, 37.0696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1583, 40.1889, 30.4357 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(150, 178, 139)` looks like.

```
.text, #text, p{  
    color:rgb(150, 178, 139)  
}
```

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(150, 178, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 178, 139) }
```

Border

The CSS property to change the border of an element to XYZ 33.1583, 40.1889, 30.4357 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(150, 178, 139) }
```


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

```
.border{ border-color:rgb(150, 178, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 178, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 178, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 178, 139);  
box-shadow:4px 4px 4px 4px rgb(150, 178,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1583, 40.1889, 30.4357 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 178, 139) }
```

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

```
.background{ background-color: rgb(150,  
178, 139) }
```

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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