

Converting Colors

XYZ(32.9897, 40.3431, 26.2984)

Have a look what the booklet for
XYZ(32.9897, 40.3431, 26.2984)
contains.

XYZ(33.1533, 40.5710, 26.5057)	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(33.1533, 40.5710,
26.5057)**

Conversions

Conversions Part 1

Format	Color
Hex	99B380
RGB	153, 179, 128
RGB Percent	60%, 70%, 50%
CMY	0.4000, 0.2980, 0.4980
CMYK	0.15, 0.00, 0.28, 0.30
HSL	91°, 25%, 60%
HSV	91°, 28%, 70%
XYZ	33.1533, 40.5710, 26.5057
YIQ	165.4120, 0.8750, -21.3730

Conversions

Conversions Part 2

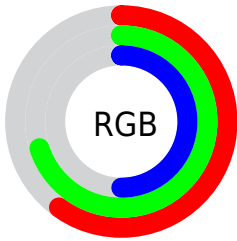
Format	Color
RYB	128, 179, 154
Decimal	10072960
CIELab	69.87, -18.18, 23.18
CIELCh	70, 29.461, 128.111
Yxy	40.5710, 0.3308, 0.4048
Android (android.graphics.Color)	4288263040 (0xFF99B380)
YUV	165.4120, -18.4441, -10.8853
Hunter-Lab	63.6954, -18.5580, 19.9143

Details

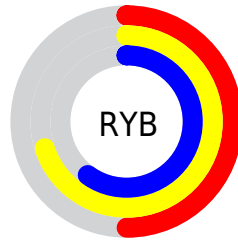
The XYZ color **33.1533, 40.5710, 26.5057** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.1838, 25.5641, 46.0462**, and the grayscale version is **36.0486, 37.9259, 41.3014**.

A 20% lighter version of the original color is **64.0612, 76.1628, 55.0406**, and **14.2028, 18.2385, 9.9795** is the 20% darker color. If you saturate the color by 10%, you get **30.4206, 39.2878, 20.7608**, and if you desaturate by 10%, it is **36.2278, 42.0088, 33.3533**.

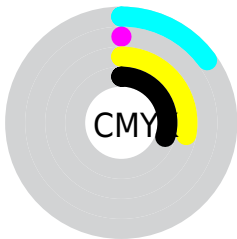
Distribution



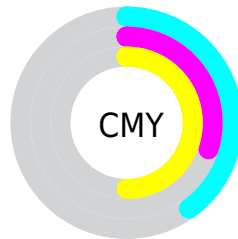
- Red (60%)
- Green (70%)
- Blue (50%)



- Red (50%)
- Yellow (70%)
- Blue (60%)



- Cyan (15%)
- Magenta (0%)
- Yellow (28%)
- Black (30%)





- Cyan (40%)
- Magenta (30%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.1533, 40.5710, 26.5057 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 33.1533, 40.5710, 26.5057 by changing the saturation by 10% instead.


 33.1533, 40.5710,
26.5057


 33.1533, 40.5710,
26.5057


307.9927,
348.5244, 298.9399

 22.4037, 27.9840,
16.9732


 63.9679, 76.0322,
55.0837

 14.2721, 18.3136,
10.0536


 84.7636, 99.6753,
74.9663

 8.3931, 11.1754,
5.3285


 109.6387,
127.7725, 99.1360

 4.4014, 6.1849,
2.3792

138.9585,
160.7082, 128.0113

 1.9316, 2.9579,
0.7751

173.0885,
198.8669, 162.0108

 0.5951, 1.1098,
0.0000

212.3940,

 0.0000, 0.0000,

242.6329, 201.5530

0.0000

257.2403,
292.3906, 247.0565

■ 33.1533, 40.5710,
26.5057

■ 33.1533, 40.5710,
26.5057

■ 30.4206, 39.2878,
20.7608

■ 36.2278, 42.0088,
33.3533

■ 28.0127, 38.1481,
16.0582

■ 39.6538, 43.6015,
41.3545

■ 25.9156, 37.1472,
12.3360

■ 43.4447, 45.3559,
50.5600

■ 24.1130, 36.2783,
9.5244

■ 47.6120, 47.2771,
61.0168

■ 22.5868, 35.5337,
7.5445

■ 52.1668, 49.3698,
72.7695

■ 21.3158, 34.9047,
6.3040

■ 57.1195, 51.6384,
85.8604

■ 20.2667, 34.3773,
5.6448

■ 62.4804, 54.0873,
100.3299

■ 20.1209, 34.3039,
5.5608

■ 65.5387, 55.6325,
101.8916

■ 68.4775, 57.1475,
102.0292

Harmonies

Analogous

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



37.2769, 40.5710, 22.8739



33.1533, 40.5710, 26.5057



30.6332, 40.5710, 35.0554

Triad

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



33.1533, 40.5710, 26.5057



35.2298, 40.5710, 73.4394



48.4140, 40.5710, 40.5577

Complementary

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



33.1533, 40.5710, 26.5057



29.1838, 25.5641, 46.0462

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.



47.7518, 40.5710, 54.7529



33.1533, 40.5710, 26.5057



39.8753, 40.5710, 75.7610

Square

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



33.1533, 40.5710, 26.5057



31.7611, 40.5710, 62.5306



44.5281, 40.5710, 68.3407



46.2693, 40.5710, 29.8167

Rectangle

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



33.1533, 40.5710, 26.5057



30.0716, 40.5710, 43.3115



44.5281, 40.5710, 68.3407



48.5155, 40.5710, 45.0497

Sweetspot

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



33.1543, 40.5728, 26.5066



70.5907, 77.8882, 73.0503



33.9615, 34.0902, 25.2128



15.4358, 17.1616, 15.7017



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.



33.1543, 40.5728, 26.5066



56.3271, 71.2300, 40.9833



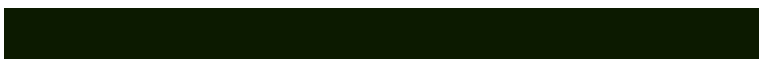
28.9196, 38.3897, 26.3084



8.7723, 9.6877, 9.0601



14.2924, 24.2781, 3.9329



0.5171, 0.7986, 0.1269

Inverse Universe

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



29.1838, 25.5641, 46.0462



48.0777, 40.0488, 81.5774



34.4478, 28.2778, 46.2925



8.4412, 8.4360, 10.6897



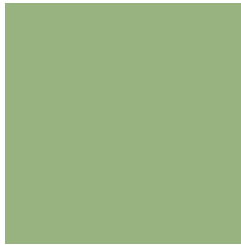
8.8921, 3.9199, 30.4249



0.3469, 0.1579, 0.9604

Previews

White Background



This preview shows how the XYZ color 33.1533, 40.5710, 26.5057 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 33.1533, 40.5710, 26.5057 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 33.1533, 40.5710, 26.5057

Background



This preview shows how black text looks on a background with the XYZ color 33.1533, 40.5710, 26.5057.



This preview shows how white text looks on a background with the XYZ color 33.1533, 40.5710,

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

33.1533, 40.5710, 26.5057

Protanopia

37.5413, 40.2720, 24.8634

Deuteranopia

41.0133, 40.1124, 27.0536



Tritanopia

38.2074, 40.5849, 51.7189

Trichromacy



Original Color

33.1533, 40.5710, 26.5057

Protanomaly

35.6585, 40.1385, 25.2701

Deuteranomaly

37.7457, 40.0549, 26.8611

Tritanomaly

36.1314, 40.6094, 41.0560

Monochromacy



Original Color

33.1533, 40.5710, 26.5057

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.7402, 38.5935, 35.3241

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1533, 40.5710, 26.5057 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(153, 179, 128)` looks like.

```
.text, #text, p{  
    color:rgb(153, 179, 128)  
}
```

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(153, 179, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 179, 128) }
```

Border

The CSS property to change the border of an element to XYZ 33.1533, 40.5710, 26.5057 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(153, 179, 128) }
```


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

```
.border{ border-color:rgb(153, 179, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 179, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 179, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 179, 128);  
box-shadow:4px 4px 4px 4px rgb(153, 179,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1533, 40.5710, 26.5057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 179, 128) }
```

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

```
.background{ background-color: rgb(153,  
179, 128) }
```

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