

Converting Colors

XYZ(33.1578, 41.9182, 20.5308)

Have a look what the booklet for
XYZ(33.1578, 41.9182, 20.5308)
contains.

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Color

**XYZ(33.1578, 41.9182,
20.5308)**

Conversions

Conversions Part 1

Format	Color
Hex	9BB76C
RGB	155, 183, 108
RGB Percent	61%, 72%, 42%
CMY	0.3922, 0.2823, 0.5765
CMYK	0.15, 0.00, 0.41, 0.28
HSL	82°, 34%, 57%
HSV	82°, 41%, 72%
XYZ	33.1578, 41.9182, 20.5308
YIQ	166.0780, 7.3870, -29.2610

Conversions

Conversions Part 2

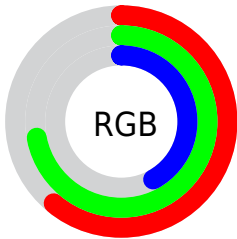
Format	Color
RYB	108, 183, 136
Decimal	10205036
CIELab	70.81, -22.22, 34.99
CIELCh	71, 41.452, 122.414
Yxy	41.9182, 0.3468, 0.4384
Android (android.graphics.Color)	4288395116 (0xFF9BB76C)
YUV	166.0780, -28.6325, -9.7154
Hunter-Lab	64.7443, -21.8864, 26.5198

Details

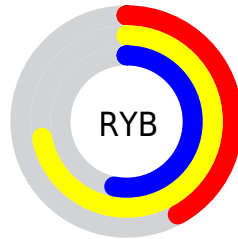
The XYZ color **33.1578, 41.9182, 20.5308** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.0649, 19.3794, 47.2743**, and the grayscale version is **36.4157, 38.3122, 41.7220**.

A 20% lighter version of the original color is **63.7900, 77.9727, 44.9459**, and **14.2515, 19.1058, 7.0743** is the 20% darker color. If you saturate the color by 10%, you get **31.0101, 40.9133, 15.8691**, and if you desaturate by 10%, it is **35.5862, 43.0468, 26.2745**.

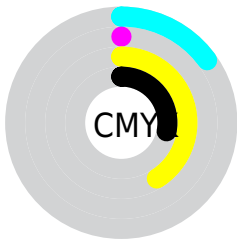
Distribution



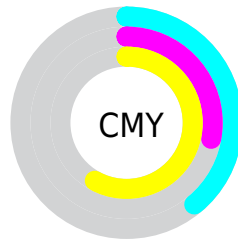
- Red (61%)
- Green (72%)
- Blue (42%)



- Red (42%)
- Yellow (72%)
- Blue (53%)



- Cyan (15%)
- Magenta (0%)
- Yellow (41%)
- Black (28%)



- Cyan (39%)
- Magenta (28%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1578, 41.9182, 20.5308 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 33.1578, 41.9182, 20.5308 by changing the saturation by 10% instead.

■ 33.1578, 41.9182,
20.5308

■ 33.1578, 41.9182,
20.5308

308.0126,
354.1437, 267.4730

■ 22.4072, 29.0372,
12.5936

■ 63.9748, 78.0758,
45.1759

■ 14.2747, 19.1090,
7.0219

■ 84.7720, 102.1213,
62.7209

■ 8.3949, 11.7491,
3.3971

■ 109.6486,
130.6570, 84.3056

■ 4.4026, 6.5730,
1.3008

■ 138.9702,
164.0674, 110.3485

■ 1.9323, 3.1966,
0.0625

173.1020,
202.7369, 141.2681

■ 0.5955, 1.2352,
0.0000

212.4095,

■ 0.0000, 0.0902,

247.0498, 177.4831

0.0000

257.2579,
297.3907, 219.4118

■ 0.0000, 0.0000,
0.0000

■ 33.1578, 41.9182,
20.5308

■ 33.1578, 41.9182,
20.5308

■ 31.0101, 40.9133,
15.8691

■ 35.5862, 43.0468,
26.2745

■ 29.1260, 40.0209,
12.2187

■ 38.3053, 44.2990,
33.1595

■ 27.4909, 39.2363,
9.5048


■ 41.3280, 45.6814,
41.2442


■ 26.0870, 38.5524,
7.6410


■ 44.6657, 47.1989,
50.5820


■ 24.8937, 37.9607,
6.5251

■ 48.3291, 48.8556,
61.2232

 23.9618, 37.4915,
5.9737

 52.3281, 50.6560,
73.2154

 56.6726, 52.6038,
86.6036

 61.3716, 54.7029,
101.4309

 63.4503, 55.7635,
102.0270

Harmonies

Analogous

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



39.2870, 41.9182, 17.2716



33.1578, 41.9182, 20.5308



29.2212, 41.9182, 30.2375

Triad

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



33.1578, 41.9182, 20.5308



34.0197, 41.9182, 88.1749



54.5888, 41.9182, 44.0634

Complementary

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



33.1578, 41.9182, 20.5308



24.0649, 19.3794, 47.2743

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.



52.7671, 41.9182, 65.5501



33.1578, 41.9182, 20.5308



40.4022, 41.9182, 94.9774

Square

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



33.1578, 41.9182, 20.5308



29.6771, 41.9182, 69.1345



47.3690, 41.9182, 85.7209



52.0975, 41.9182, 28.1838

Rectangle

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



33.1578, 41.9182, 20.5308



28.1058, 41.9182, 40.8165



47.3690, 41.9182, 85.7209



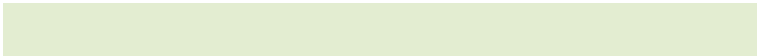
54.4605, 41.9182, 50.8332

Sweetspot

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



33.1588, 41.9201, 20.5317



73.3269, 81.4971, 71.9876



30.9707, 28.6192, 18.0797



16.0358, 17.9272, 15.4658



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.1588, 41.9201, 20.5317



55.9627, 73.4723, 29.3040



27.1128, 38.8032, 20.2487



9.4164, 10.3313, 9.6047



16.7932, 26.1935, 4.1708



0.6581, 0.9574, 0.1501

Inverse Universe

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



24.0649, 19.3794, 47.2743



37.5178, 27.7131, 83.6075



31.1449, 23.0294, 47.6057



8.8294, 8.8784, 11.3278



7.7122, 3.2870, 31.4810



0.3413, 0.1517, 1.1130

Previews

White Background



This preview shows how the XYZ color 33.1578, 41.9182, 20.5308 looks on a white background.

Color Contrast Check

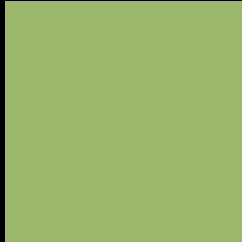
Large Text (above 18pt) WCAG AA × Fail

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 33.1578, 41.9182, 20.5308 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

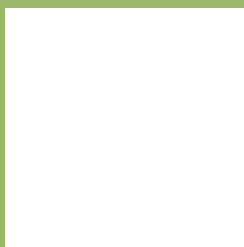
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1578, 41.9182, 20.5308

Background



This preview shows how black text looks on a background with the XYZ color 33.1578, 41.9182, 20.5308.



This preview shows how white text looks on a background with the XYZ color 33.1578, 41.9182,

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

33.1578, 41.9182, 20.5308

Protanopia

38.4285, 41.7054, 19.1213

Deuteranopia

42.3922, 41.4900, 21.1033



Tritanopia

39.8316, 41.9670, 53.0148

Trichromacy



Original Color

33.1578, 41.9182, 20.5308

Protanomaly

36.4034, 41.8113, 19.5163

Deuteranomaly

38.6080, 41.4716, 21.0089

Tritanomaly

36.7940, 41.5943, 38.4370

Monochromacy



Original Color

33.1578, 41.9182, 20.5308

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

34.7637, 39.2308, 32.5281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1578, 41.9182, 20.5308 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(155, 183, 108)` looks like.

```
.text, #text, p{  
    color:rgb(155, 183, 108)  
}
```

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(155, 183, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 183, 108) }
```

Border

The CSS property to change the border of an element to XYZ 33.1578, 41.9182, 20.5308 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(155, 183, 108) }
```


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

```
.border{ border-color:rgb(155, 183, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 183, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 183, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 183, 108); box-shadow:4px 4px 4px 4px rgb(155, 183, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1578, 41.9182, 20.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 183, 108) }
```

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

```
.background{ background-color: rgb(155,  
183, 108) }
```

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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