

Converting Colors

XYZ(33.9614, 38.6551, 16.2720)

Have a look what the booklet for
XYZ(33.9614, 38.6551, 16.2720)
contains.

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Color

**XYZ(33.8507, 38.5563,
16.2477)**

Conversions

Conversions Part 1

Format	Color
Hex	AEAA5E
RGB	174, 170, 94
RGB Percent	68%, 67%, 37%
CMY	0.3176, 0.3333, 0.6314
CMYK	0.00, 0.02, 0.46, 0.32
HSL	57°, 33%, 53%
HSV	57°, 46%, 68%
XYZ	33.8507, 38.5563, 16.2477
YIQ	162.5320, 26.7800, -22.7880

Conversions

Conversions Part 2

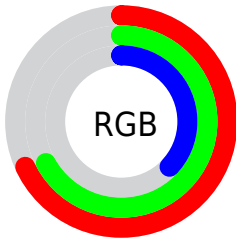
Format	Color
RYB	98, 174, 94
Decimal	11446878
CIELab	68.43, -9.50, 39.48
CIElCh	68, 40.612, 103.529
Yxy	38.5563, 0.3818, 0.4349
Android (android.graphics.Color)	4289636958 (0xFFAEAA5E)
YUV	162.5320, -33.7863, 10.0574
Hunter-Lab	62.0937, -11.3538, 27.9515

Details

The XYZ color **33.8507, 38.5563, 16.2477** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.6238, 14.1707, 41.9034**, and the grayscale version is **34.7383, 36.5474, 39.8001**.

A 20% lighter version of the original color is **65.0685, 72.9147, 37.8386**, and **14.6978, 17.1394, 5.0162** is the 20% darker color. If you saturate the color by 10%, you get **32.9943, 37.9553, 12.5349**, and if you desaturate by 10%, it is **34.8861, 39.2334, 20.8894**.

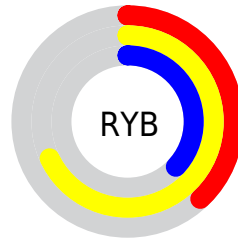
Distribution



Red (68%)

Green (67%)

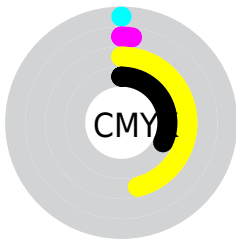
Blue (37%)



Red (38%)

Yellow (68%)

Blue (37%)

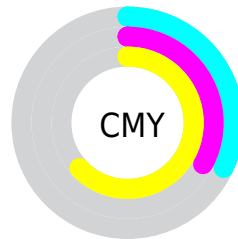


Cyan (0%)

Magenta (2%)

Yellow (46%)

Black (32%)



Cyan (32%)

Magenta (33%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8507, 38.5563, 16.2477 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 33.8507, 38.5563, 16.2477 by changing the saturation by 10% instead.

■ 33.8507, 38.5563,
16.2477

■ 33.8507, 38.5563,
16.2477

311.0635,
340.0004, 242.6943

■ 22.9413, 26.4147,
9.5434

■ 65.0473, 72.9600,
37.8004

■ 14.6706, 17.1342,
4.9956

■ 86.0651, 95.9909,
53.4859

■ 8.6733, 10.3302,
2.1860

■ 111.1831,
123.4204, 73.0022

■ 4.5841, 5.6184,
0.6663

■ 140.7667,
155.6329, 96.7678

■ 2.0376, 2.6145,
0.0000

175.1812,
193.0127, 125.2013

■ 0.6550, 0.9340,
0.0000

214.7919,

■ 0.0000, 0.0000,

235.9443, 158.7212

0.0000

259.9642,
284.8121, 197.7460

■ 33.8507, 38.5563,
16.2477

■ 33.8507, 38.5563,
16.2477

■ 32.9943, 37.9553,
12.5349

■ 34.8861, 39.2334,
20.8894

■ 32.3021, 37.4204,
9.6856

■ 36.1085, 39.9856,
26.5149

■ 31.7616, 36.9478,
7.6296

■ 37.5288, 40.8187,
33.1775

■ 31.3572, 36.5314,
6.2848

■ 39.1564, 41.7365,
40.9261

■ 31.0684, 36.1629,
5.5437

■ 41.0000, 42.7423,
49.8065

■ 30.9667, 36.0209,
5.3206

■ 43.0676, 43.8396,
59.8617

■ 45.3672, 45.0313,
71.1326

■ 47.9060, 46.3206,
83.6582

■ 50.6912, 47.7101,
97.4756

Harmonies

Analogous

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



40.2364, 38.5563, 16.4969



33.8507, 38.5563, 16.2477



28.8295, 38.5563, 21.3115

Triad

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



33.8507, 38.5563, 16.2477



28.4517, 38.5563, 71.1288



49.7161, 38.5563, 52.7524

Complementary

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



33.8507, 38.5563, 16.2477



16.6238, 14.1707, 41.9034

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.



45.7626, 38.5563, 72.9571



33.8507, 38.5563, 16.2477



33.2769, 38.5563, 85.4955

Square

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



33.8507, 38.5563, 16.2477



25.9656, 38.5563, 50.7494



39.5924, 38.5563, 86.2478



49.9161, 38.5563, 34.2861

Rectangle

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



33.8507, 38.5563, 16.2477



26.7246, 38.5563, 28.1861



39.5924, 38.5563, 86.2478



48.7629, 38.5563, 59.6719

Sweetspot

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



33.8516, 38.5581, 16.2485



68.5566, 74.3179, 62.4662



23.6632, 17.8864, 13.7610



15.1060, 16.4427, 13.2619



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.8516, 38.5581, 16.2485



59.8490, 68.8477, 22.7381



27.6379, 36.4836, 16.1756



8.6279, 9.2606, 8.5461



22.4735, 26.1526, 3.8635



0.6354, 0.7479, 0.1109

Inverse Universe

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



16.6238, 14.1707, 41.9034



24.7529, 19.1770, 75.0338



20.8490, 15.8077, 41.9967



7.6098, 7.8190, 10.0608



5.6229, 2.3796, 29.2075



0.1666, 0.0865, 0.8159

Previews

White Background



This preview shows how the XYZ color 33.8507, 38.5563, 16.2477 looks on a white background.

Color Contrast Check

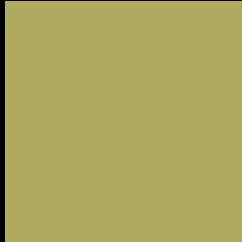
Large Text (above 18pt) WCAG AA × Fail

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 33.8507, 38.5563, 16.2477 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 33.8507, 38.5563, 16.2477

Background



This preview shows how black text looks on a background with the XYZ color 33.8507, 38.5563, 16.2477.



This preview shows how white text looks on a background with the XYZ color 33.8507, 38.5563,

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

33.8507, 38.5563, 16.2477

Protanopia

35.3229, 38.4950, 15.9245

Deuteranopia

39.1844, 38.3559, 16.6474



Tritanopia

39.5791, 38.4520, 44.8711

Trichromacy



Original Color

33.8507, 38.5563, 16.2477

Protanomaly

34.8008, 38.4989, 15.9528

Deuteranomaly

36.9467, 38.2454, 16.5011

Tritanomaly

36.8999, 38.1482, 31.8041

Monochromacy



Original Color

33.8507, 38.5563, 16.2477

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1600, 37.3229, 29.4484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8507, 38.5563, 16.2477 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(174, 170, 94)` looks like.

```
.text, #text, p{  
    color:rgb(174, 170, 94)  
}
```

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(174, 170, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 170, 94) }
```

Border

The CSS property to change the border of an element to XYZ 33.8507, 38.5563, 16.2477 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(174, 170, 94) }
```


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

```
.border{ border-color:rgb(174, 170, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 170, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 170, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 170, 94);  
box-shadow:4px 4px 4px 4px rgb(174, 170,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8507, 38.5563, 16.2477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 170, 94) }
```

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

```
.background{ background-color: rgb(174,  
170, 94) }
```

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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