

Converting Colors

XYZ(33.5387, 38.6312, 18.2593)

Have a look what the booklet for
XYZ(33.5387, 38.6312, 18.2593)
contains.

XYZ(33.5387, 38.6312, 18.2593)	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(33.5387, 38.6312,
18.2593)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAB66
RGB	170, 171, 102
RGB Percent	67%, 67%, 40%
CMY	0.3333, 0.3294, 0.6000
CMYK	0.01, 0.00, 0.40, 0.33
HSL	61°, 29%, 54%
HSV	61°, 40%, 67%
XYZ	33.5387, 38.6312, 18.2593
YIQ	162.8350, 21.5530, -21.6710

Conversions

Conversions Part 2

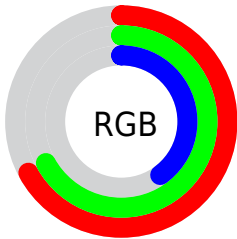
Format	Color
RYB	102, 171, 103
Decimal	11184998
CIELab	68.48, -10.83, 35.37
CIELCh	68, 36.991, 107.022
Yxy	38.6312, 0.3709, 0.4272
Android (android.graphics.Color)	4289375078 (0xFFAAAB66)
YUV	162.8350, -29.9917, 6.2837
Hunter-Lab	62.1540, -12.4498, 26.0899

Details

The XYZ color **33.5387, 38.6312, 18.2593** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.6971, 15.3276, 40.5562**, and the grayscale version is **34.8656, 36.6813, 39.9460**.

A 20% lighter version of the original color is **64.3931, 72.8946, 41.2480**, and **14.4419, 17.1637, 5.9199** is the 20% darker color. If you saturate the color by 10%, you get **32.7233, 38.3002, 14.2418**, and if you desaturate by 10%, it is **34.5311, 39.0358, 23.1998**.

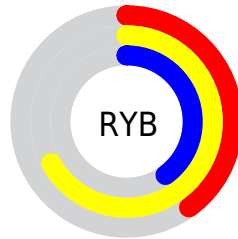
Distribution



Red (67%)

Green (67%)

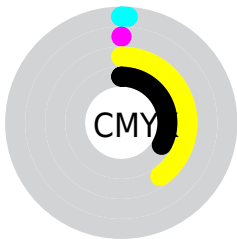
Blue (40%)



Red (40%)

Yellow (67%)

Blue (40%)

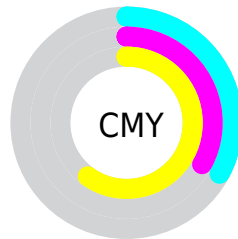


Cyan (1%)

Magenta (0%)

Yellow (40%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5387, 38.6312, 18.2593 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 33.5387, 38.6312, 18.2593 by changing the saturation by 10% instead.


 33.5387, 38.6312,
18.2593


 33.5387, 38.6312,
18.2593


309.6924,
340.3200, 254.6136


 22.7006, 26.4729,
10.9649


 64.5647, 73.0746,
41.2986


 14.4921, 17.1778,
5.9294


 85.4834, 96.1285,
57.8806

 8.5477, 10.3613,
2.7341


 110.4930,
123.5831, 78.3955

 4.5021, 5.6392,
0.9605

 139.9589,
155.8227, 103.2620

 1.9899, 2.6269,
0.0000

174.2465,
193.2319, 132.8984

 0.6283, 0.9402,
0.0000

213.7210,

 0.0000, 0.0000,

236.1948, 167.7235

0.0000

258.7479,
285.0961, 208.1557

■ 33.5387, 38.6312,
18.2593

■ 33.5387, 38.6312,
18.2593

■ 32.7233, 38.3002,
14.2418

■ 34.5311, 39.0358,
23.1998

■ 32.0711, 38.0331,
11.0879

■ 35.7076, 39.5126,
29.1130

■ 31.5711, 37.8269,
8.7348


■ 37.0782, 40.0671,
36.0481


■ 31.2097, 37.6762,
7.1106


■ 38.6515, 40.7027,
44.0502

■ 30.9706, 37.5744,
6.1303


■ 40.4356, 41.4226,
53.1616

 30.8218, 37.5089,
5.6155

 42.4381, 42.2299,
63.4224

 44.6661, 43.1274,
74.8707

 47.1267, 44.1179,
87.5429

 49.6801, 45.1456,
100.7033

Harmonies

Analogous

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



39.2885, 38.6312, 17.9258



33.5387, 38.6312, 18.2593



29.1248, 38.6312, 23.7804

Triad

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



33.5387, 38.6312, 18.2593



29.6058, 38.6312, 70.1336



48.7363, 38.6312, 49.6780

Complementary

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



33.5387, 38.6312, 18.2593



17.6971, 15.3276, 40.5562

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.



45.5276, 38.6312, 67.9094



33.5387, 38.6312, 18.2593



34.2617, 38.6312, 81.6550

Square

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



33.5387, 38.6312, 18.2593



27.0241, 38.6312, 52.1583



40.0917, 38.6312, 80.7477



48.4899, 38.6312, 33.3620

Rectangle

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



33.5387, 38.6312, 18.2593



27.3496, 38.6312, 30.7520



40.0917, 38.6312, 80.7477



48.0128, 38.6312, 55.8541

Sweetspot

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



33.5396, 38.6330, 18.2601



65.9173, 71.5582, 62.1029



23.9456, 19.1210, 14.9996



14.6287, 15.9290, 13.4891



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.5396, 38.6330, 18.2601



58.8026, 68.6714, 26.4848



27.1975, 35.3635, 17.9633



8.6510, 9.3242, 8.5572



23.2378, 28.2766, 4.2332



0.6500, 0.7885, 0.1179

Inverse Universe

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



17.6971, 15.3276, 40.5562



26.6613, 21.3860, 71.7246



22.3380, 17.7201, 40.7734



7.5893, 7.7626, 10.0510



5.5688, 2.2307, 29.1816



0.1583, 0.0638, 0.8120

Previews

White Background



This preview shows how the XYZ color 33.5387, 38.6312, 18.2593 looks on a white background.

Color Contrast Check

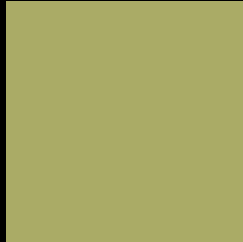
Large Text (above 18pt) WCAG AA × Fail

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 33.5387, 38.6312, 18.2593 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 33.5387, 38.6312, 18.2593

Background



This preview shows how black text looks on a background with the XYZ color 33.5387, 38.6312, 18.2593.



This preview shows how white text looks on a background with the XYZ color 33.5387, 38.6312,

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

33.5387, 38.6312, 18.2593

Protanopia

35.6474, 38.6248, 17.6331

Deuteranopia

39.3051, 38.3728, 18.6997



Tritanopia

39.0183, 38.4008, 45.9130

Trichromacy



Original Color

33.5387, 38.6312, 18.2593

Protanomaly

34.7117, 38.4098, 17.8963

Deuteranomaly

36.8311, 38.1410, 18.5174

Tritanomaly

36.4796, 38.1623, 33.4604

Monochromacy



Original Color

33.5387, 38.6312, 18.2593

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.1698, 37.3025, 30.5985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5387, 38.6312, 18.2593 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(170, 171, 102)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 102)  
}
```

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(170, 171, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 102) }
```

Border

The CSS property to change the border of an element to XYZ 33.5387, 38.6312, 18.2593 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(170, 171, 102) }
```


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

```
.border{ border-color:rgb(170, 171, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 171, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 102);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5387, 38.6312, 18.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 102) }
```

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

```
.background{ background-color: rgb(170,  
171, 102) }
```

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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