

Converting Colors

XYZ(30.8357, 33.7722, 38.0204)

Have a look what the booklet for
XYZ(30.8357, 33.7722, 38.0204)
contains.

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Color

**XYZ(30.9486, 33.8827,
38.1666)**

Conversions

Conversions Part 1

Format	Color
Hex	93A0A0
RGB	147, 160, 160
RGB Percent	58%, 63%, 63%
CMY	0.4235, 0.3725, 0.3725
CMYK	0.08, 0.00, 0.00, 0.37
HSL	180°, 6%, 60%
HSV	180°, 8%, 63%
XYZ	30.9486, 33.8827, 38.1666
YIQ	156.1130, -7.7480, -2.7560

Conversions

Conversions Part 2

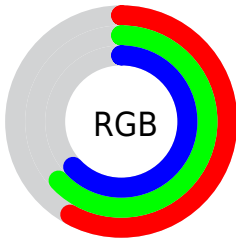
Format	Color
RYB	147, 154, 160
Decimal	9674912
CIELab	64.87, -4.59, -1.59
CIELCh	65, 4.858, 199.067
Yxy	33.8827, 0.3005, 0.3290
Android (android.graphics.Color)	4287864992 (0xFF93A0A0)
YUV	156.1130, 1.9163, -7.9921
Hunter-Lab	58.2088, -6.9602, 1.8707

Details

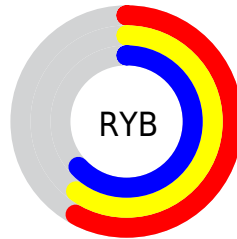
The XYZ color **30.9486, 33.8827, 38.1666** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.1986, 30.4485, 31.8908**, and the grayscale version is **31.6453, 33.2933, 36.2565**.

A 20% lighter version of the original color is **60.6536, 65.9247, 73.8179**, and **13.0528, 14.5282, 16.5843** is the 20% darker color. If you saturate the color by 10%, you get **28.2767, 32.5062, 38.0410**, and if you desaturate by 10%, it is **34.0216, 35.4678, 38.3124**.

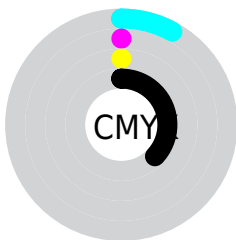
Distribution



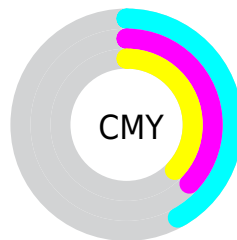
- Red (58%)
- Green (63%)
- Blue (63%)



- Red (58%)
- Yellow (60%)
- Blue (63%)



- Cyan (8%)
- Magenta (0%)
- Yellow (0%)
- Black (37%)



- Cyan (42%)
- Magenta (37%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9486, 33.8827, 38.1666 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 30.9486, 33.8827, 38.1666 by changing the saturation by 10% instead.

■ 30.9486, 33.8827,
38.1666

■ 30.9486, 33.8827,
38.1666

298.1326,
319.6087, 353.6537

■ 20.7113, 22.8035,
25.8092

■ 60.5355, 65.7512,
73.5697

■ 13.0244, 14.4485,
16.4565

■ 80.6159, 87.3093,
97.4524

■ 7.5225, 8.4332,
9.6899

104.7081,
113.1292, 126.0140

■ 3.8402, 4.3734,
5.0909

133.1773,
143.5952, 159.6730

■ 1.6121, 1.8846,
2.2410

166.3890,
179.0918, 198.8479

■ 0.4003, 0.5391,
0.6979

204.7086,

■ 0.0000, 0.0000,

220.0033, 243.9573

0.0000

248.5013,
266.7141, 295.4197

■ 30.9486, 33.8827,
38.1666

■ 30.9486, 33.8827,
38.1666

■ 28.2767, 32.5062,
38.0410

■ 34.0216, 35.4678,
38.3124

■ 25.9865, 31.3256,
37.9325

■ 37.5081, 37.2651,
38.4769

■ 24.0616, 30.3333,
37.8411

■ 41.4238, 39.2837,
38.6614

■ 22.4830, 29.5196,
37.7659

■ 45.7825, 41.5307,
38.8667

■ 21.2302, 28.8737,
37.7060

■ 50.5975, 44.0129,
39.0934

■ 20.2804, 28.3841,
37.6602

■ 55.8816, 46.7369,
39.3419

■ 19.6081, 28.0376,
37.6275

■ 60.1584, 48.9417,
39.5434

■ 19.1832, 27.8186,
37.6063

■ 60.1587, 48.9418,
39.5447

■ 18.9520, 27.6994,
37.5942

■ 60.1589, 48.9419,
39.5460

Harmonies

Analogous

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



30.9005, 33.8827, 36.1660



30.9486, 33.8827, 38.1666



31.3304, 33.8827, 39.8831

Triad

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



30.9486, 33.8827, 38.1666



33.2325, 33.8827, 39.4770



32.4605, 33.8827, 33.2344

Complementary

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



30.9486, 33.8827, 38.1666



30.1986, 30.4485, 31.8908

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.



33.0947, 33.8827, 34.0553



30.9486, 33.8827, 38.1666



33.5447, 33.8827, 37.6287

Square

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



30.9486, 33.8827, 38.1666



32.6463, 33.8827, 40.6584



33.4939, 33.8827, 35.6471



31.7666, 33.8827, 33.3666

Rectangle

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



30.9486, 33.8827, 38.1666



31.7258, 33.8827, 40.6126



33.4939, 33.8827, 35.6471



32.6879, 33.8827, 33.4068

Sweetspot

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



30.9496, 33.8841, 38.1673



59.5001, 63.2259, 69.4539



29.9098, 33.4727, 32.4888



13.0642, 13.8741, 15.2330



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



30.9496, 33.8841, 38.1673



55.1314, 60.9737, 69.2475



29.8877, 31.7600, 37.8144



6.8218, 7.5095, 8.4963



14.7333, 21.5613, 29.2824



0.2635, 0.3855, 0.5237

Inverse Universe

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



30.1986, 30.4485, 31.8908



53.4446, 53.2568, 55.1493



31.2026, 32.4567, 32.2246



6.6331, 6.6462, 6.9191



11.2932, 5.8219, 0.5292



0.2019, 0.1041, 0.0095

Previews

White Background



This preview shows how the XYZ color 30.9486, 33.8827, 38.1666 looks on a white background.

Color Contrast Check

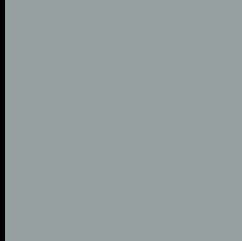
Large Text (above 18pt) WCAG AA × Fail

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 30.9486, 33.8827, 38.1666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

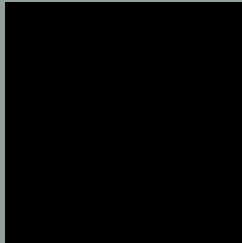
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

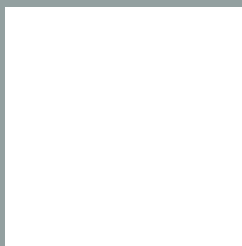
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9486, 33.8827, 38.1666

Background



This preview shows how black text looks on a background with the XYZ color 30.9486, 33.8827, 38.1666.

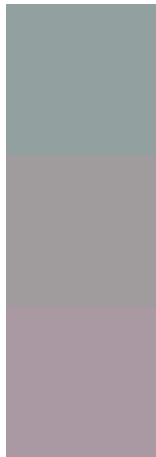


This preview shows how white text looks on a background with the XYZ color 30.9486, 33.8827,

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

30.9486, 33.8827, 38.1666

Protanopia

32.5572, 33.7191, 37.1402

Deuteranopia

34.3274, 33.6112, 38.8608



Tritanopia

31.9720, 33.7836, 43.3639

Trichromacy



Original Color

30.9486, 33.8827, 38.1666

Protanomaly

31.8325, 33.5857, 37.6058

Deuteranomaly

33.0547, 33.6973, 38.4803

Tritanomaly

31.5859, 33.8822, 41.4344

Monochromacy



Original Color

30.9486, 33.8827, 38.1666

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.2796, 33.3206, 36.6812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9486, 33.8827, 38.1666 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(147, 160, 160)` looks like.

```
.text, #text, p{  
    color:rgb(147, 160, 160)  
}
```

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(147, 160, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 160, 160) }
```

Border

The CSS property to change the border of an element to XYZ 30.9486, 33.8827, 38.1666 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(147, 160, 160) }
```


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

```
.border{ border-color:rgb(147, 160, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 160, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 160, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 160, 160);  
box-shadow:4px 4px 4px 4px rgb(147, 160,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9486, 33.8827, 38.1666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 160, 160) }
```

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

```
.background{ background-color: rgb(147,  
160, 160) }
```

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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