

Converting Colors

XYZ(30.4296, 33.6258, 31.3117)

Have a look what the booklet for
XYZ(30.4296, 33.6258, 31.3117)
contains.

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Color

**XYZ(30.3811, 33.4853,
31.2476)**

Conversions

Conversions Part 1

Format	Color
Hex	989F90
RGB	152, 159, 144
RGB Percent	60%, 62%, 56%
CMY	0.4039, 0.3765, 0.4353
CMYK	0.04, 0.00, 0.09, 0.38
HSL	88°, 7%, 59%
HSV	88°, 9%, 62%
XYZ	30.3811, 33.4853, 31.2476
YIQ	155.1970, 0.6430, -6.1490

Conversions

Conversions Part 2

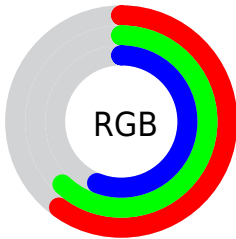
Format	Color
RYB	144, 159, 151
Decimal	10002320
CIELab	64.55, -5.34, 6.96
CIELCh	65, 8.773, 127.486
Yxy	33.4853, 0.3194, 0.3521
Android (android.graphics.Color)	4288192400 (0xFF989F90)
YUV	155.1970, -5.5201, -2.8038
Hunter-Lab	57.8665, -7.5502, 8.4902

Details

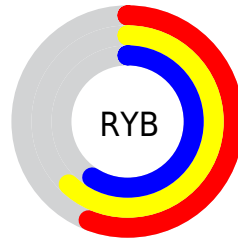
The XYZ color **30.3811, 33.4853, 31.2476** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.9950, 29.0299, 36.8778**, and the grayscale version is **31.2672, 32.8955, 35.8233**.

A 20% lighter version of the original color is **59.6932, 65.2922, 62.8826**, and **12.7498, 14.3000, 12.6779** is the 20% darker color. If you saturate the color by 10%, you get **27.9047, 32.3403, 25.2285**, and if you desaturate by 10%, it is **33.1174, 34.7465, 38.1738**.

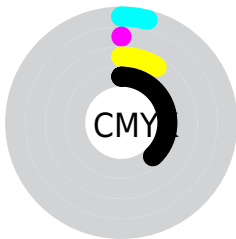
Distribution



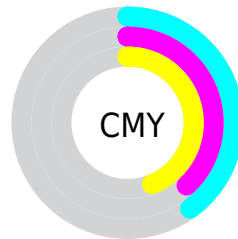
- Red (60%)
- Green (62%)
- Blue (56%)



- Red (56%)
- Yellow (62%)
- Blue (59%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3811, 33.4853, 31.2476 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 30.3811, 33.4853, 31.2476 by changing the saturation by 10% instead.

■ 30.3811, 33.4853,
31.2476

■ 30.3811, 33.4853,
31.2476

295.5549,
317.8309, 322.0638

■ 20.2775, 22.4985,
20.5274

■ 59.6468, 65.1325,
62.7138

■ 12.7064, 14.2236,
12.5911

■ 79.5397, 86.5616,
84.2969

■ 7.3023, 8.2764,
7.0202

103.4265,
112.2403, 110.3381

■ 3.6999, 4.2723,
3.3961

131.6724,
142.5529, 141.2559

■ 1.5338, 1.8270,
1.3003

164.6428,
177.8839, 177.4688

■ 0.3486, 0.5039,
0.0620

202.7031,

■ 0.0000, 0.0000,

218.6176, 219.3954

0.0000

246.2187,
265.1385, 267.4543

■ 30.3811, 33.4853,
31.2476

■ 30.3811, 33.4853,
31.2476

■ 27.9047, 32.3403,
25.2285

■ 33.1174, 34.7465,
38.1738

■ 25.6769, 31.3036,
20.0767

■ 36.1193, 36.1229,
46.0404

■ 23.6894, 30.3726,
15.7528

■ 39.3953, 37.6195,
54.8814

■ 21.9321, 29.5432,
12.2135

■ 42.9530, 39.2393,
64.7287

■ 20.3945, 28.8110,
9.4115

■ 46.7997, 40.9854,
75.6126

■ 19.0648, 28.1710,
7.2943

■ 50.9421, 42.8607,
87.5623

■ 17.9299, 27.6178,
5.8026

■ 55.3381, 44.8485,
100.3477

■ 16.9748, 27.1451,
4.8669

■ 57.4206, 45.9221,
100.4452

■ 16.1686, 26.7404,
4.3350

■ 59.6014, 47.0463,
100.5473

Harmonies

Analogous

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



31.5135, 33.4853, 30.0296



30.3811, 33.4853, 31.2476



29.6498, 33.4853, 33.8777

Triad

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



30.3811, 33.4853, 31.2476



30.9119, 33.4853, 43.2220



34.2791, 33.4853, 35.5671

Complementary

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



30.3811, 33.4853, 31.2476



28.9950, 29.0299, 36.8778

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.



34.1078, 33.4853, 39.1699



30.3811, 33.4853, 31.2476



32.1421, 33.4853, 43.7480

Square

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



30.3811, 33.4853, 31.2476



29.9506, 33.4853, 40.8281



33.3176, 33.4853, 42.2216



33.7797, 33.4853, 32.4147

Rectangle

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



30.3811, 33.4853, 31.2476



29.4770, 33.4853, 36.1575



33.3176, 33.4853, 42.2216



34.2983, 33.4853, 36.7637

Sweetspot

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



30.3820, 33.4867, 31.2483



57.4787, 61.3836, 63.6792



30.4000, 31.5190, 30.8676



12.8715, 13.7988, 14.1352



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.



30.3820, 33.4867, 31.2483



53.5884, 59.5898, 53.9313



29.0223, 32.7858, 31.1847



6.8715, 7.5664, 7.0840



12.7845, 21.1274, 3.4042



0.2772, 0.4028, 0.0631

Inverse Universe

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



28.9950, 29.0299, 36.8778



50.6725, 50.2201, 65.7662



30.4316, 29.7705, 36.9450



6.5643, 6.5794, 8.3307



7.2339, 3.1583, 26.1356



0.1778, 0.0814, 0.4696

Previews

White Background



This preview shows how the XYZ color 30.3811, 33.4853, 31.2476 looks on a white background.

Color Contrast Check

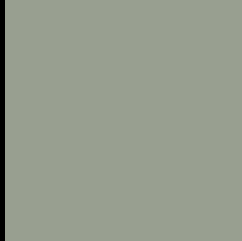
Large Text (above 18pt) WCAG AA × Fail

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 30.3811, 33.4853, 31.2476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

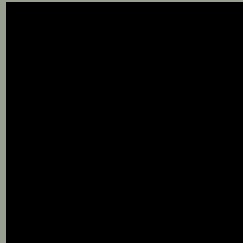
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

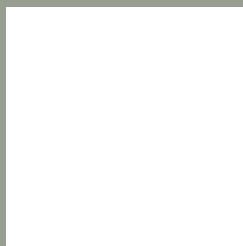
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3811, 33.4853, 31.2476

Background



This preview shows how black text looks on a background with the XYZ color 30.3811, 33.4853, 31.2476.



This preview shows how white text looks on a background with the XYZ color 30.3811, 33.4853,

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

30.3811, 33.4853, 31.2476

Protanopia

31.6712, 33.4113, 30.3710

Deuteranopia

34.1594, 33.4386, 31.8480



Tritanopia

32.6667, 33.6720, 41.8234

Trichromacy



Original Color

30.3811, 33.4853, 31.2476

Protanomaly

31.1154, 33.3662, 30.7870

Deuteranomaly

32.6028, 33.3710, 31.5110

Tritanomaly

31.8325, 33.5857, 37.6058

Monochromacy



Original Color

30.3811, 33.4853, 31.2476

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.8008, 32.8813, 34.0015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3811, 33.4853, 31.2476 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(152, 159, 144)` looks like.

```
.text, #text, p{  
    color:rgb(152, 159, 144)  
}
```

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(152, 159, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 159, 144) }
```

Border

The CSS property to change the border of an element to XYZ 30.3811, 33.4853, 31.2476 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(152, 159, 144) }
```


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

```
.border{ border-color:rgb(152, 159, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 159, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 159, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 159, 144);  
box-shadow:4px 4px 4px 4px rgb(152, 159,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3811, 33.4853, 31.2476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 159, 144) }
```

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

```
.background{ background-color: rgb(152,  
159, 144) }
```

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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