

Converting Colors

XYZ(30.9795, 33.3753, 34.0876)

Have a look what the booklet for
XYZ(30.9795, 33.3753, 34.0876)
contains.

XYZ(31.1392, 33.5581, 34.1143)	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(31.1392, 33.5581,
34.1143)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9E97
RGB	154, 158, 151
RGB Percent	60%, 62%, 59%
CMY	0.3961, 0.3804, 0.4078
CMYK	0.03, 0.00, 0.04, 0.38
HSL	94°, 3%, 61%
HSV	94°, 4%, 62%
XYZ	31.1392, 33.5581, 34.1143
YIQ	156.0060, -0.1370, -3.0250

Conversions

Conversions Part 2

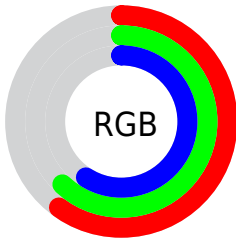
Format	Color
RYB	151, 158, 155
Decimal	10133143
CIELab	64.61, -2.77, 3.14
CIElCh	65, 4.191, 131.372
Yxy	33.5581, 0.3151, 0.3396
Android (android.graphics.Color)	4288323223 (0xFF9A9E97)
YUV	156.0060, -2.4680, -1.7593
Hunter-Lab	57.9294, -5.4259, 5.6350

Details

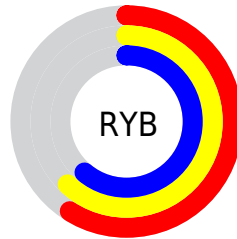
The XYZ color **31.1392, 33.5581, 34.1143** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7570, 31.5713, 36.8223**, and the grayscale version is **31.6141, 33.2605, 36.2207**.

A 20% lighter version of the original color is **60.8261, 65.4062, 67.1764**, and **13.1515, 14.3191, 14.1273** is the 20% darker color. If you saturate the color by 10%, you get **28.2865, 32.2269, 27.7254**, and if you desaturate by 10%, it is **34.2952, 35.0277, 41.4166**.

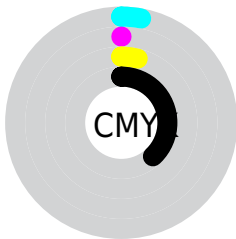
Distribution



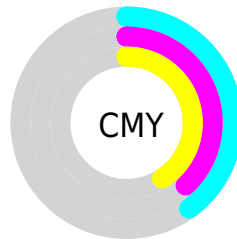
- Red (60%)
- Green (62%)
- Blue (59%)



- Red (59%)
- Yellow (62%)
- Blue (61%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)



- Cyan (40%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1392, 33.5581, 34.1143 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 31.1392, 33.5581, 34.1143 by changing the saturation by 10% instead.

■ 31.1392, 33.5581,
34.1143

■ 31.1392, 33.5581,
34.1143

298.9945,
318.1571, 335.4261

■ 20.8572, 22.5543,
22.7033

■ 60.8335, 65.2459,
67.2473

■ 13.1315, 14.2648,
14.1714

■ 80.9766, 86.6987,
89.8064

■ 7.5968, 8.3051,
8.0998

105.1373,
112.4033, 116.9187

■ 3.8877, 4.2908,
4.0702

133.6812,
142.7441, 149.0027

■ 1.6388, 1.8375,
1.6639

166.9735,
178.1055, 186.4768

■ 0.4175, 0.5104,
0.3358

205.3796,

■ 0.0000, 0.0000,

218.8718, 229.7598

0.0000

249.2648,
265.4276, 279.2700

■ 31.1392, 33.5581,
34.1143

■ 31.1392, 33.5581,
34.1143

■ 28.2865, 32.2269,
27.7254

■ 34.2952, 35.0277,
41.4166

■ 25.7246, 31.0256,
22.2118

■ 37.7608, 36.6353,
49.6639

■ 23.4443, 29.9512,
17.5359

■ 41.5456, 38.3862,
58.8893

■ 21.4348, 28.9990,
13.6567

■ 45.6581, 40.2840,
69.1233

■ 19.6845, 28.1641,
10.5295

■ 50.1064, 42.3323,
80.3952

■ 18.1808, 27.4410,
8.1054

■ 54.8981, 44.5344,
92.7332

■ 16.9100, 26.8239,
6.3295

■ 58.9590, 46.4609,
100.4681

■ 15.8564, 26.3060,
5.1390

■ 61.7214, 47.8849,
100.5974

■ 15.0019, 25.8797,
4.4572

■ 64.6330, 49.3859,
100.7336

Harmonies

Analogous

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



31.6689, 33.5581, 33.3934



31.1392, 33.5581, 34.1143



30.8147, 33.5581, 35.4934

Triad

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



31.1392, 33.5581, 34.1143



31.5287, 33.5581, 39.7617



33.0409, 33.5581, 35.8912

Complementary

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



31.1392, 33.5581, 34.1143



30.7570, 31.5713, 36.8223

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.



33.0022, 33.5581, 37.6051



31.1392, 33.5581, 34.1143



32.1241, 33.5581, 39.8763

Square

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



31.1392, 33.5581, 34.1143



31.0377, 33.5581, 38.7676



32.6649, 33.5581, 39.0761



32.7699, 33.5581, 34.3976

Rectangle

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



31.1392, 33.5581, 34.1143



30.7560, 33.5581, 36.6183



32.6649, 33.5581, 39.0761



33.0638, 33.5581, 36.4600

Sweetspot

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



31.1401, 33.5595, 34.1150



58.4401, 61.8225, 66.2847



31.4035, 32.9364, 33.9809



13.1828, 13.9414, 14.9613



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.



31.1401, 33.5595, 34.1150



56.1856, 60.7722, 61.1263



30.6142, 33.2840, 34.2887



7.0535, 7.6482, 7.6374



11.7277, 20.5826, 3.3547



0.2571, 0.3925, 0.0622

Inverse Universe

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



30.7570, 31.5713, 36.8223



55.3889, 56.6374, 66.7563



31.2999, 31.8558, 36.6383



6.9445, 7.0824, 8.4077



8.3900, 3.7542, 26.1897



0.1979, 0.0918, 0.4705

Previews

White Background



This preview shows how the XYZ color 31.1392, 33.5581, 34.1143 looks on a white background.

Color Contrast Check

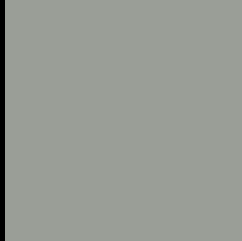
Large Text (above 18pt) WCAG AA × Fail

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 31.1392, 33.5581, 34.1143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

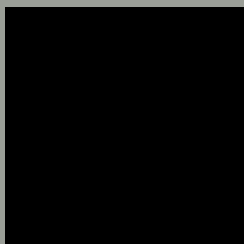
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

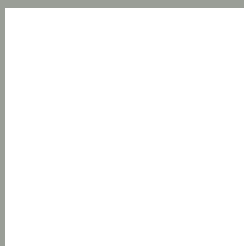
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1392, 33.5581, 34.1143

Background



This preview shows how black text looks on a background with the XYZ color 31.1392, 33.5581, 34.1143.



This preview shows how white text looks on a background with the XYZ color 31.1392, 33.5581,

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

31.1392, 33.5581, 34.1143

Protanopia

32.0914, 33.5560, 33.6397

Deuteranopia

33.9677, 33.2845, 34.3400



Tritanopia

32.6939, 33.4379, 41.7768

Trichromacy



Original Color

31.1392, 33.5581, 34.1143

Protanomaly

31.6625, 33.5851, 33.6679

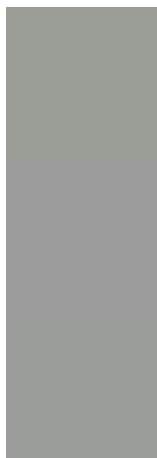
Deuteranomaly

32.9490, 33.4852, 34.4325

Tritanomaly

32.1204, 33.4535, 38.9467

Monochromacy



Original Color

31.1392, 33.5581, 34.1143

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4073, 33.4156, 35.3664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1392, 33.5581, 34.1143 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(154, 158, 151)` looks like.

```
.text, #text, p{  
    color:rgb(154, 158, 151)  
}
```

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(154, 158, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 158, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.1392, 33.5581, 34.1143 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(154, 158, 151) }
```


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

```
.border{ border-color:rgb(154, 158, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 158, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 158, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 158, 151);  
box-shadow:4px 4px 4px 4px rgb(154, 158,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1392, 33.5581, 34.1143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 158, 151) }
```

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

```
.background{ background-color: rgb(154,  
158, 151) }
```

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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