

Converting Colors

XYZ(31.0916, 34.4880, 40.0764)

Have a look what the booklet for
XYZ(31.0916, 34.4880, 40.0764)
contains.

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Color

**XYZ(31.1228, 34.4503,
40.1312)**

Conversions

Conversions Part 1

Format	Color
Hex	90A2A4
RGB	144, 162, 164
RGB Percent	56%, 64%, 64%
CMY	0.4353, 0.3647, 0.3569
CMYK	0.12, 0.01, 0.00, 0.36
HSL	186°, 10%, 60%
HSV	186°, 12%, 64%
XYZ	31.1228, 34.4503, 40.1312
YIQ	156.8460, -11.3700, -3.1940

Conversions

Conversions Part 2

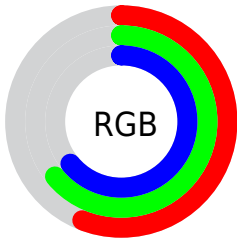
Format	Color
RYB	144, 153, 164
Decimal	9478820
CIELab	65.32, -5.88, -3.19
CIELCh	65, 6.693, 208.483
Yxy	34.4503, 0.2944, 0.3259
Android (android.graphics.Color)	4287668900 (0xFF90A2A4)
YUV	156.8460, 3.5269, -11.2659
Hunter-Lab	58.6944, -8.0652, 0.5476

Details

The XYZ color **31.1228, 34.4503, 40.1312** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.6230, 30.4638, 30.6523**, and the grayscale version is **31.9677, 33.6325, 36.6258**.

A 20% lighter version of the original color is **60.8877, 66.7459, 76.6920**, and **13.0148, 14.6489, 17.4708** is the 20% darker color. If you saturate the color by 10%, you get **28.1775, 32.5073, 39.9119**, and if you desaturate by 10%, it is **34.4900, 36.6183, 40.3727**.

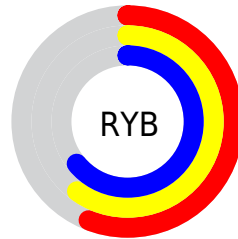
Distribution



Red (56%)

Green (64%)

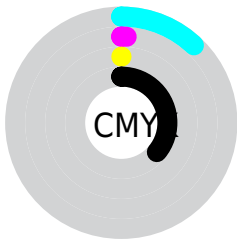
Blue (64%)



Red (56%)

Yellow (60%)

Blue (64%)

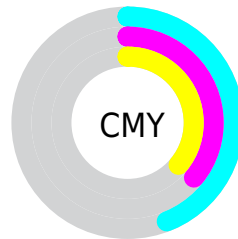


Cyan (12%)

Magenta (1%)

Yellow (0%)

Black (36%)



Cyan (44%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1228, 34.4503, 40.1312 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 31.1228, 34.4503, 40.1312 by changing the saturation by 10% instead.

■ 31.1228, 34.4503,
40.1312

■ 31.1228, 34.4503,
40.1312

298.9204,
322.1353, 362.2448

■ 20.8447, 23.2397,
27.3263

■ 60.8079, 66.6333,
76.6025

■ 13.1223, 14.7706,
17.5838

■ 80.9455, 88.3746,
101.1060

■ 7.5904, 8.6586,
10.4853

105.1004,
114.3948, 130.3461

■ 3.8836, 4.5192,
5.6121

133.6379,
145.0785, 164.7414

■ 1.6365, 1.9680,
2.5457

166.9232,
180.8100, 204.7104

■ 0.4160, 0.5888,
0.8642

205.3219,

■ 0.0000, 0.0000,

221.9737, 250.6715

0.0000

249.1992,
268.9540, 303.0435

■ 31.1228, 34.4503,
40.1312

■ 31.1228, 34.4503,
40.1312

■ 28.1775, 32.5073,
39.9119

■ 34.4900, 36.6183,
40.3727

■ 25.6332, 30.7756,
39.7118

■ 38.2930, 39.0155,
40.6350

■ 23.4717, 29.2468,
39.5306

■ 42.5485, 41.6517,
40.9196

■ 21.6724, 27.9102,
39.3675

■ 47.2716, 44.5347,
41.2271

■ 20.2124, 26.7541,
39.2213

■ 52.4768, 47.6717,
41.5583

■ 19.0664, 25.7653,
39.0908

■ 58.1778, 51.0701,
41.9137

■ 18.2056, 24.9290,
38.9748

■ 62.9748, 54.0082,
42.2280

■ 17.5955, 24.2273,
38.8715

■ 63.2920, 54.6425,
42.3337

■ 17.2314, 23.7413,
38.7968

■ 63.6130, 55.2846,
42.4407

Harmonies

Analogous

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



30.9045, 34.4503, 37.3685



31.1228, 34.4503, 40.1312



31.7732, 34.4503, 42.2790

Triad

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



31.1228, 34.4503, 40.1312



34.3692, 34.4503, 40.3894



32.7936, 34.4503, 32.3926

Complementary

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



31.1228, 34.4503, 40.1312



30.6230, 30.4638, 30.6523

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.



33.7343, 34.4503, 33.1148



31.1228, 34.4503, 40.1312



34.6551, 34.4503, 37.6529

Square

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



31.1228, 34.4503, 40.1312



33.6467, 34.4503, 42.4331



34.4205, 34.4503, 35.0065



31.8576, 34.4503, 32.9841

Rectangle

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



31.1228, 34.4503, 40.1312



32.3709, 34.4503, 43.0244



34.4205, 34.4503, 35.0065



33.1199, 34.4503, 32.4891

Sweetspot

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



31.1238, 34.4517, 40.1320



61.3956, 65.6963, 73.1971



29.9401, 34.5458, 32.1490



13.3222, 14.2985, 15.9952



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.1238, 34.4517, 40.1320



54.7631, 61.4028, 72.7179



29.4855, 31.1751, 39.5859



7.2154, 7.8898, 9.0457



13.2316, 18.2427, 29.7536



0.2942, 0.4158, 0.6306

Inverse Universe

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



31.8055, 30.4484, 38.3849



56.2890, 52.5135, 68.7913



32.1771, 33.5720, 31.1703



7.3337, 7.1899, 8.7436



15.8242, 7.6857, 22.0626



0.3407, 0.1648, 0.5067

Previews

White Background



This preview shows how the XYZ color 31.1228, 34.4503, 40.1312 looks on a white background.

Color Contrast Check

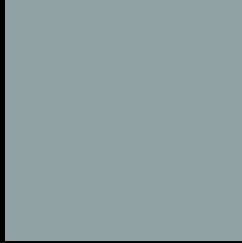
Large Text (above 18pt) WCAG AA × Fail

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 31.1228, 34.4503, 40.1312 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

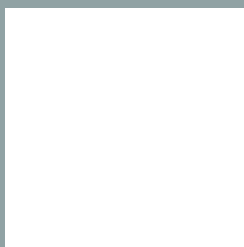
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1228, 34.4503, 40.1312

Background



This preview shows how black text looks on a background with the XYZ color 31.1228, 34.4503, 40.1312.



This preview shows how white text looks on a background with the XYZ color 31.1228, 34.4503,

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

31.1228, 34.4503, 40.1312

Protanopia

32.9872, 34.1607, 38.5733

Deuteranopia

35.0161, 34.4104, 40.8727



Tritanopia

32.1418, 34.6179, 44.5230

Trichromacy



Original Color

31.1228, 34.4503, 40.1312

Protanomaly

32.2462, 34.2749, 39.0986

Deuteranomaly

33.5464, 34.4076, 40.4706

Tritanomaly

31.6776, 34.4118, 43.0028

Monochromacy



Original Color

31.1228, 34.4503, 40.1312

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.6922, 34.0097, 38.1519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1228, 34.4503, 40.1312 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(144, 162, 164)` looks like.

```
.text, #text, p{  
    color:rgb(144, 162, 164)  
}
```

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(144, 162, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 162, 164) }
```

Border

The CSS property to change the border of an element to XYZ 31.1228, 34.4503, 40.1312 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(144, 162, 164) }
```


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

```
.border{ border-color:rgb(144, 162, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 162, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 162, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 162, 164);  
box-shadow:4px 4px 4px 4px rgb(144, 162,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1228, 34.4503, 40.1312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 162, 164) }
```

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

```
.background{ background-color: rgb(144,  
162, 164) }
```

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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