

Converting Colors

XYZ(29.7585, 34.1966, 31.7045)

Have a look what the booklet for
XYZ(29.7585, 34.1966, 31.7045)
contains.

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Color

**XYZ(29.7096, 34.1680,
31.8173)**

Conversions

Conversions Part 1

Format	Color
Hex	90A391
RGB	144, 163, 145
RGB Percent	56%, 64%, 57%
CMY	0.4353, 0.3608, 0.4314
CMYK	0.12, 0.00, 0.11, 0.36
HSL	123°, 9%, 60%
HSV	123°, 12%, 64%
XYZ	29.7096, 34.1680, 31.8173
YIQ	155.2670, -5.5460, -9.6260

Conversions

Conversions Part 2

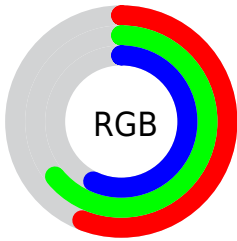
Format	Color
RYB	144, 162, 163
Decimal	9479057
CIELab	65.10, -10.22, 7.10
CIElCh	65, 12.445, 145.205
Yxy	34.1680, 0.3105, 0.3571
Android (android.graphics.Color)	4287669137 (0xFF90A391)
YUV	155.2670, -5.0616, -9.8812
Hunter-Lab	58.4534, -11.5688, 8.6447

Details

The XYZ color **29.7096, 34.1680, 31.8173** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6003, 30.3424, 38.3751**, and the grayscale version is **31.2982, 32.9282, 35.8588**.

A 20% lighter version of the original color is **58.6689, 66.2721, 63.7324**, and **12.3661, 14.5748, 12.9879** is the 20% darker color. If you saturate the color by 10%, you get **25.9547, 32.3616, 25.8427**, and if you desaturate by 10%, it is **34.0394, 36.2540, 38.6651**.

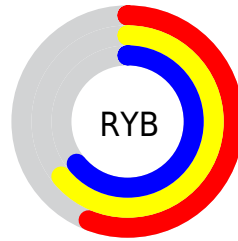
Distribution



Red (56%)

Green (64%)

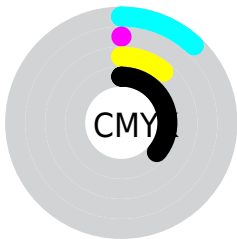
Blue (57%)



Red (56%)

Yellow (64%)

Blue (64%)

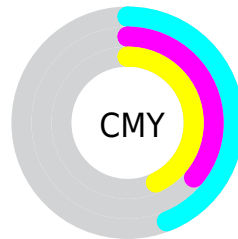


Cyan (12%)

Magenta (0%)

Yellow (11%)

Black (36%)



Cyan (44%)

Magenta (36%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7096, 34.1680, 31.8173 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 29.7096, 34.1680, 31.8173 by changing the saturation by 10% instead.

■ 29.7096, 34.1680,
31.8173

■ 29.7096, 34.1680,
31.8173

292.4827,
320.8805, 324.7532

■ 19.7652, 23.0227,
20.9583

■ 58.5924, 66.1948,
63.6191

■ 12.3318, 14.6103,
12.9026

■ 78.2616, 87.8452,
85.3991

■ 7.0439, 8.5463,
7.2316

101.9031,
113.7659, 111.6564

■ 3.5361, 4.4465,
3.5267

129.8822,
144.3416, 142.8097

■ 1.4432, 1.9263,
1.3695

162.5644,
179.9564, 179.2775

■ 0.2867, 0.5641,
0.1177

200.3150,

■ 0.0000, 0.0000,

220.9950, 221.4783

0.0000

243.4993,
267.8415, 269.8307

■ 29.7096, 34.1680,
31.8173

■ 29.7096, 34.1680,
31.8173

■ 25.9547, 32.3616,
25.8427

■ 34.0394, 36.2540,
38.6651

■ 22.7478, 30.8188,
20.7042

■ 38.9639, 38.6262,
46.4170

■ 20.0641, 29.5286,
16.3651

■ 44.5053, 41.2963,
55.1049

■ 17.8760, 28.4775,
12.7853

■ 50.6840, 44.2743,
64.7586

■ 16.1529, 27.6509,
9.9212

■ 57.5194, 47.5695,
75.4066

■ 14.8612, 27.0323,
7.7246

■ 65.0301, 51.1909,
87.0763

■ 13.9628, 26.6032,
6.1416

■ 72.0829, 54.5537,
99.7398

■ 13.4125, 26.3418,
5.1098

■ 72.3879, 54.6757,
101.3460

■ 13.1449, 26.2145,
4.6135

Harmonies

Analogous

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



31.0208, 34.1680, 28.9192



29.7096, 34.1680, 31.8173



29.1402, 34.1680, 36.3789

Triad

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



29.7096, 34.1680, 31.8173



32.1866, 34.1680, 48.0066



35.7163, 34.1680, 33.1309

Complementary

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



29.7096, 34.1680, 31.8173



31.6003, 30.3424, 38.3751

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.



36.0564, 34.1680, 38.0398



29.7096, 34.1680, 31.8173



33.9754, 34.1680, 46.9349

Square

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



29.7096, 34.1680, 31.8173



30.5362, 34.1680, 45.9720



35.4083, 34.1680, 43.1649



34.4956, 34.1680, 29.6269

Rectangle

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



29.7096, 34.1680, 31.8173



29.2420, 34.1680, 39.8699



35.4083, 34.1680, 43.1649



35.9393, 34.1680, 34.6580

Sweetspot

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



29.7105, 34.1695, 31.8181



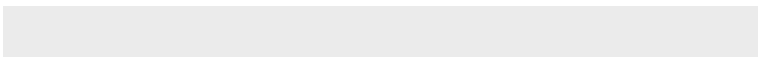
59.8122, 64.3726, 67.4329



33.0431, 35.8964, 31.5730



13.2908, 14.3891, 14.9198



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.



29.7105, 34.1695, 31.8181



51.3596, 60.3026, 54.0490



30.4701, 34.4733, 35.8179



7.0000, 7.9008, 7.6116



10.2209, 20.3747, 3.6138



0.2190, 0.4298, 0.0984

Inverse Universe

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



31.6003, 30.3424, 38.3751



55.4265, 52.0664, 68.1601



30.7912, 30.0188, 34.1148



7.3481, 7.1957, 8.8197



16.3044, 7.8778, 24.5913



0.3471, 0.1673, 0.5406

Previews

White Background



This preview shows how the XYZ color 29.7096, 34.1680, 31.8173 looks on a white background.

Color Contrast Check

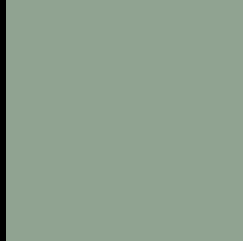
Large Text (above 18pt) WCAG AA × Fail

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 29.7096, 34.1680, 31.8173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

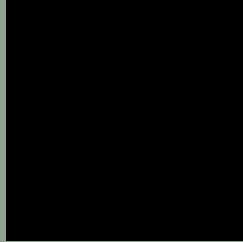
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7096, 34.1680, 31.8173

Background



This preview shows how black text looks on a background with the XYZ color 29.7096, 34.1680, 31.8173.



This preview shows how white text looks on a background with the XYZ color 29.7096, 34.1680,

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

29.7096, 34.1680, 31.8173

Protanopia

32.2493, 33.9594, 30.4463

Deuteranopia

34.6262, 33.9102, 32.3241



Tritanopia

32.0573, 34.0707, 43.9164

Trichromacy



Original Color

29.7096, 34.1680, 31.8173

Protanomaly

31.2607, 33.9475, 30.8915

Deuteranomaly

32.5938, 33.8516, 32.0103

Tritanomaly

31.1250, 33.9533, 39.0956

Monochromacy



Original Color

29.7096, 34.1680, 31.8173

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.5753, 33.2674, 34.0879

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7096, 34.1680, 31.8173 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, 163, 145)` looks like.

```
.text, #text, p{  
    color:rgb(144, 163, 145)  
}
```

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, 163, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 163, 145) }
```

Border

The CSS property to change the border of an element to XYZ 29.7096, 34.1680, 31.8173 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, 163, 145) }
```


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

```
.border{ border-color:rgb(144, 163, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 163, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 163, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 163, 145);  
box-shadow:4px 4px 4px 4px rgb(144, 163,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7096, 34.1680, 31.8173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 163, 145) }
```

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

```
.background{ background-color: rgb(144,  
163, 145) }
```

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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