

Converting Colors

XYZ(29.8176, 33.4511, 31.2707)

Have a look what the booklet for
XYZ(29.8176, 33.4511, 31.2707)
contains.

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Color

**XYZ(29.8176, 33.4511,
31.2707)**

Conversions

Conversions Part 1	
Format	Color
Hex	94A090
RGB	148, 160, 144
RGB Percent	58%, 63%, 56%
CMY	0.4196, 0.3725, 0.4353
CMYK	0.08, 0.00, 0.10, 0.37
HSL	105°, 8%, 60%
HSV	105°, 10%, 63%
XYZ	29.8176, 33.4511, 31.2707
YIQ	154.5880, -2.0160, -7.5200

Conversions

Conversions Part 2

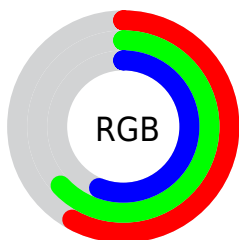
Format	Color
RYB	144, 160, 156
Decimal	9740432
CIELab	64.52, -7.35, 6.88
CIELCh	65, 10.067, 136.876
Yxy	33.4511, 0.3154, 0.3538
Android (android.graphics.Color)	4287930512 (0xFF94A090)
YUV	154.5880, -5.2199, -5.7777
Hunter-Lab	57.8369, -9.1896, 8.4295

Details

The XYZ color **29.8176, 33.4511, 31.2707** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0300, 29.5534, 37.3810**, and the grayscale version is **30.9974, 32.6117, 35.5142**.

A 20% lighter version of the original color is **58.8506, 65.2347, 62.9159**, and **12.4188, 14.2868, 12.6928** is the 20% darker color. If you saturate the color by 10%, you get **26.6211, 31.9357, 25.1835**, and if you desaturate by 10%, it is **33.4144, 35.1548, 38.2829**.

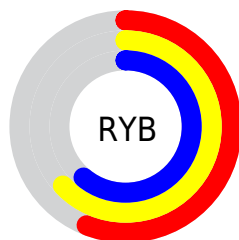
Distribution



Red (58%)

Green (63%)

Blue (56%)



Red (56%)

Yellow (63%)

Blue (61%)

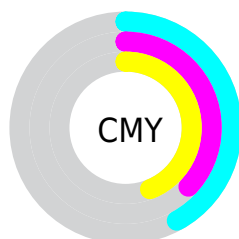


Cyan (8%)

Magenta (0%)

Yellow (10%)

Black (37%)



Cyan (42%)

Magenta (37%)


Yellow (44%)


Brightness & Saturation

Gradients

These gradients show how the XYZ color 29.8176, 33.4511, 31.2707 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 29.8176, 33.4511, 31.2707 by changing the saturation by 10% instead.


 29.8176, 33.4511,
31.2707


 29.8176, 33.4511,
31.2707


292.9784,
317.6775, 322.1732

 19.8476, 22.4722,
20.5449


 58.7622, 65.0792,
62.7506

 12.3919, 14.2043,
12.6037

 78.4675, 86.4972,
84.3417

 7.0853, 8.2629,
7.0287


102.1486,
112.1637, 110.3917

 3.5623, 4.2636,
3.4014

130.1708,
142.4631, 141.3191

 1.4576, 1.8221,
1.3030

162.8996,
177.7798, 177.5424

 0.2967, 0.5009,
0.0643


200.7002,


 0.0000, 0.0000,


218.4981, 219.4801


0.0000

243.9380,
265.0026, 267.5509


 29.8176, 33.4511,
31.2707


 29.8176, 33.4511,
31.2707


 26.6211, 31.9357,
25.1835


 33.4144, 35.1548,
38.2829


 23.8081, 30.5978,
19.9805


 37.4220, 37.0486,
46.2540


 21.3646, 29.4320,
15.6213


 41.8543, 39.1396,
55.2193


 19.2746, 28.4312,
12.0613


 46.7232, 41.4335,
65.2111

 17.5210, 27.5876,
9.2519


 52.0405, 43.9356,
76.2608


 16.0850, 26.8926,
7.1392


 57.8175, 46.6511,
88.3980


 14.9461, 26.3369,
5.6622

 63.9028, 49.5200,
100.7980

 14.0808, 25.9102,
4.7492

 67.9328, 51.5976,
100.9866

 13.4463, 25.5939,
4.2314

 71.8614, 53.6229,
101.1705

Harmonies

Analogous

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



30.9979, 33.4511, 29.3549



29.8176, 33.4511, 31.2707



29.1755, 33.4511, 34.6530

Triad

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



29.8176, 33.4511, 31.2707



31.1702, 33.4511, 44.6960



34.5157, 33.4511, 34.1707

Complementary

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



29.8176, 33.4511, 31.2707



30.0300, 29.5534, 37.3810

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.



34.5652, 33.4511, 38.2513



29.8176, 33.4511, 31.2707



32.6041, 33.4511, 44.5423

Square

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



29.8176, 33.4511, 31.2707



29.9404, 33.4511, 42.5166



33.8564, 33.4511, 42.1113



33.7231, 33.4511, 30.9406

Rectangle

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



29.8176, 33.4511, 31.2707



29.1261, 33.4511, 37.3793



33.8564, 33.4511, 42.1113



34.6206, 33.4511, 35.4823

Sweetspot

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



29.8185, 33.4525, 31.2714



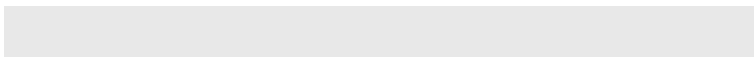
58.5941, 62.8468, 65.4343



31.4211, 33.2656, 31.1509



12.7372, 13.7296, 14.1289



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.



29.8185, 33.4525, 31.2714



52.7828, 60.0943, 54.1692



29.4187, 33.2105, 32.8775



6.6984, 7.4772, 7.0759



10.5094, 19.9545, 3.2977



0.2230, 0.3749, 0.0606

Inverse Universe

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



30.0300, 29.5534, 37.3810



53.2450, 51.5651, 67.5333



30.4724, 29.8213, 35.6039



6.7421, 6.6710, 8.3390



11.0190, 5.1095, 26.3127



0.2328, 0.1098, 0.4722

Previews

White Background



This preview shows how the XYZ color 29.8176, 33.4511, 31.2707 looks on a white background.

Color Contrast Check

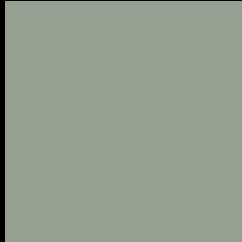
Large Text (above 18pt) WCAG AA × Fail

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 29.8176, 33.4511, 31.2707 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

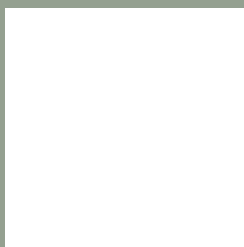
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8176, 33.4511, 31.2707

Background



This preview shows how black text looks on a background with the XYZ color 29.8176, 33.4511, 31.2707.

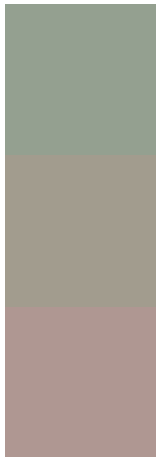


This preview shows how white text looks on a background with the XYZ color 29.8176, 33.4511,

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

29.8176, 33.4511, 31.2707

Protanopia

31.6712, 33.4113, 30.3710

Deuteranopia

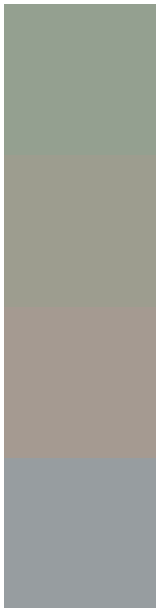
33.9341, 33.3225, 31.8375



Tritanopia

31.9988, 33.3169, 42.2804

Trichromacy



Original Color
29.8176, 33.4511, 31.2707

Protanomaly
30.9195, 33.2652, 30.7778

Deuteranomaly
32.1835, 33.1549, 31.4913

Tritanomaly
31.1646, 33.2313, 38.0294

Monochromacy



Original Color
29.8176, 33.4511, 31.2707

Achromatopsia
31.1553, 32.7778, 35.6950

Achromatomaly
30.5918, 33.0237, 34.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8176, 33.4511, 31.2707 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(148, 160, 144) looks like.

```
.text, #text, p{  
    color:rgb(148, 160, 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(148, 160, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 160, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.8176, 33.4511, 31.2707 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(148, 160, 144) }
```

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

```
.border{ border-color:rgb(148, 160, 144) }
```

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

Here you see how a box with a 4 pixel rgb(148, 160, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 160, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 160, 144);  
box-shadow:4px 4px 4px 4px rgb(148, 160,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8176, 33.4511, 31.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 160, 144) }
```

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

```
.background{ background-color: rgb(148,  
160, 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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