

Converting Colors

XYZ(29.5723, 34.1622, 31.2684)

Have a look what the booklet for
XYZ(29.5723, 34.1622, 31.2684)
contains.

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Color

**XYZ(29.6328, 34.1373,
31.4129)**

Conversions

Conversions Part 1

Format	Color
Hex	90A390
RGB	144, 163, 144
RGB Percent	56%, 64%, 56%
CMY	0.4353, 0.3608, 0.4353
CMYK	0.12, 0.00, 0.12, 0.36
HSL	120°, 9%, 60%
HSV	120°, 12%, 64%
XYZ	29.6328, 34.1373, 31.4129
YIQ	155.1530, -5.2250, -9.9370

Conversions

Conversions Part 2

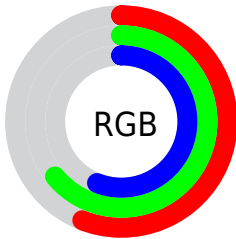
Format	Color
RYB	144, 163, 163
Decimal	9479056
CIELab	65.07, -10.41, 7.62
CIELCh	65, 12.902, 143.774
Yxy	34.1373, 0.3113, 0.3586
Android (android.graphics.Color)	4287669136 (0xFF90A390)
YUV	155.1530, -5.4984, -9.7812
Hunter-Lab	58.4271, -11.7167, 9.0222

Details

The XYZ color **29.6328, 34.1373, 31.4129** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6896, 30.3781, 38.8452**, and the grayscale version is **31.2494, 32.8769, 35.8029**.

A 20% lighter version of the original color is **58.5531, 66.2258, 63.1229**, and **12.2190, 14.5042, 12.7453** is the 20% darker color. If you saturate the color by 10%, you get **25.8316, 32.3124, 25.1946**, and if you desaturate by 10%, it is **34.0269, 36.2490, 38.5994**.

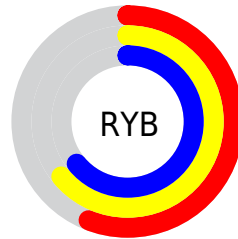
Distribution



Red (56%)

Green (64%)

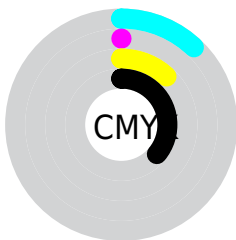
Blue (56%)



Red (56%)

Yellow (64%)

Blue (64%)

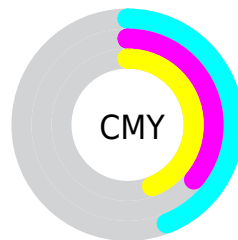


Cyan (12%)

Magenta (0%)

Yellow (12%)

Black (36%)



Cyan (44%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6328, 34.1373, 31.4129 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 29.6328, 34.1373, 31.4129 by changing the saturation by 10% instead.

■ 29.6328, 34.1373,
31.4129

■ 29.6328, 34.1373,
31.4129

292.1297,
320.7438, 322.8460

■ 19.7067, 22.9991,
20.6524

■ 58.4716, 66.1471,
62.9767

■ 12.2891, 14.5928,
12.6814

■ 78.1151, 87.7875,
84.6171

■ 7.0145, 8.5341,
7.0814

101.7283,
113.6975, 110.7212

■ 3.5176, 4.4386,
3.4338

129.6768,
144.2613, 141.7075

■ 1.4330, 1.9218,
1.3202

162.3258,
179.8635, 177.9946

■ 0.2796, 0.5614,
0.0782

200.0408,

■ 0.0000, 0.0000,

220.8884, 220.0010

0.0000

243.1869,
267.7204, 268.1453

■ 29.6328, 34.1373,
31.4129

■ 29.6328, 34.1373,
31.4129

■ 25.8316, 32.3124,
25.1946

■ 34.0269, 36.2490,
38.5994

■ 22.5953, 30.7578,
19.9011

■ 39.0348, 38.6546,
46.7905

■ 19.8977, 29.4621,
15.4887


■ 44.6798, 41.3661,
56.0237


■ 17.7097, 28.4110,
11.9098


■ 50.9831, 44.3940,
66.3338


■ 15.9992, 27.5894,
9.1120


■ 57.9652, 47.7478,
77.7539


 14.7307, 26.9801,
7.0370

 65.6453, 51.4370,
90.3159

 13.8634, 26.5635,
5.6183

 72.3879, 54.6757,
101.3460

 13.3494, 26.3166,
4.7775

 13.0979, 26.1958,
4.3661

Harmonies

Analogous

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



31.0191, 34.1373, 28.5238



29.6328, 34.1373, 31.4129



29.0033, 34.1373, 36.0647

Triad

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



29.6328, 34.1373, 31.4129



32.0583, 34.1373, 48.3692



35.8478, 34.1373, 33.1729

Complementary

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



29.6328, 34.1373, 31.4129



31.6896, 30.3781, 38.8452

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.



36.1519, 34.1373, 38.2971



29.6328, 34.1373, 31.4129



33.9170, 34.1373, 47.4069

Square

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



29.6328, 34.1373, 31.4129



30.3686, 34.1373, 46.1063



35.4329, 34.1373, 43.5901



34.6170, 34.1373, 29.4696

Rectangle

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



29.6328, 34.1373, 31.4129



29.0796, 34.1373, 39.6746



35.4329, 34.1373, 43.5901



36.0637, 34.1373, 34.7725

Sweetspot

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



29.6337, 34.1388, 31.4136



59.7717, 64.3564, 67.2198



33.2370, 35.9963, 31.5820



13.2795, 14.3845, 14.8602



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.



29.6337, 34.1388, 31.4136



51.1975, 60.2378, 53.1954



30.3909, 34.4416, 35.4011



6.9856, 7.8950, 7.5358



10.1790, 20.3579, 3.3931



0.2139, 0.4278, 0.0713

Inverse Universe

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



31.6896, 30.3781, 38.8452



55.6219, 52.1445, 69.1888



30.8698, 30.0502, 34.5282



7.3643, 7.2022, 8.9050



16.8764, 8.1066, 27.6032



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 29.6328, 34.1373, 31.4129 looks on a white background.

Color Contrast Check

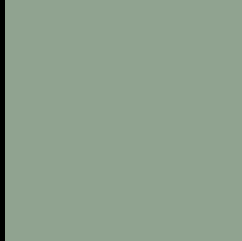
Large Text (above 18pt) WCAG AA × Fail

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 29.6328, 34.1373, 31.4129 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

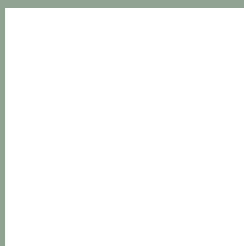
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6328, 34.1373, 31.4129

Background



This preview shows how black text looks on a background with the XYZ color 29.6328, 34.1373, 31.4129.



This preview shows how white text looks on a background with the XYZ color 29.6328, 34.1373,

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

29.6328, 34.1373, 31.4129

Protanopia

32.1745, 33.9295, 30.0526

Deuteranopia

34.5480, 33.8789, 31.9125



Tritanopia

32.2390, 34.1644, 43.9249

Trichromacy



Original Color

29.6328, 34.1373, 31.4129

Protanomaly

31.1852, 33.9174, 30.4943

Deuteranomaly

32.5164, 33.8206, 31.6023

Tritanomaly

31.1250, 33.9533, 39.0956

Monochromacy



Original Color

29.6328, 34.1373, 31.4129

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 29.6328, 34.1373, 31.4129 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, 144)` looks like.

```
.text, #text, p{  
    color:rgb(144, 163, 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(144, 163, 144) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 29.6328, 34.1373, 31.4129 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, 144) }
```


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

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

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, 144)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 29.6328, 34.1373, 31.4129 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, 144) }
```

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

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