

Converting Colors

XYZ(29.0860, 31.4999, 34.8362)

Have a look what the booklet for
XYZ(29.0860, 31.4999, 34.8362)
contains.

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Color

**XYZ(28.9824, 31.4309,
34.6762)**

Conversions

Conversions Part 1

Format	Color
Hex	919A99
RGB	145, 154, 153
RGB Percent	57%, 60%, 60%
CMY	0.4314, 0.3961, 0.4000
CMYK	0.06, 0.00, 0.01, 0.40
HSL	173°, 4%, 59%
HSV	173°, 6%, 60%
XYZ	28.9824, 31.4309, 34.6762
YIQ	151.1950, -5.0430, -2.2190

Conversions

Conversions Part 2

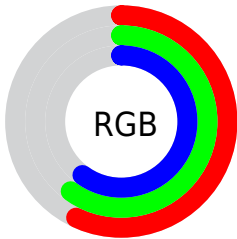
Format	Color
RYB	145, 150, 154
Decimal	9542297
CIELab	62.87, -3.42, -0.60
CIELCh	63, 3.469, 189.923
Yxy	31.4309, 0.3048, 0.3305
Android (android.graphics.Color)	4287732377 (0xFF919A99)
YUV	151.1950, 0.8899, -5.4330
Hunter-Lab	56.0633, -5.8336, 2.5723

Details

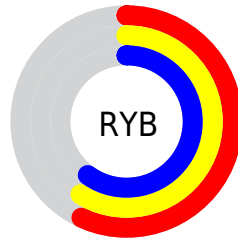
The XYZ color **28.9824, 31.4309, 34.6762** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.6413, 29.1969, 31.3216**, and the grayscale version is **29.4975, 31.0337, 33.7957**.

A 20% lighter version of the original color is **57.3715, 61.7589, 67.9283**, and **11.9678, 13.0927, 14.4667** is the 20% darker color. If you saturate the color by 10%, you get **26.3101, 30.0704, 33.8174**, and if you desaturate by 10%, it is **32.0264, 32.9845, 35.5643**.

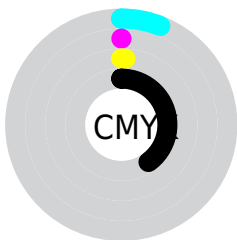
Distribution



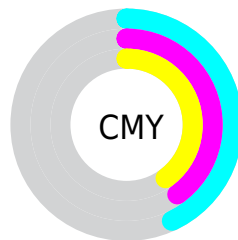
- Red (57%)
- Green (60%)
- Blue (60%)



- Red (57%)
- Yellow (59%)
- Blue (60%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



- Cyan (43%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9824, 31.4309, 34.6762 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 28.9824, 31.4309, 34.6762 by changing the saturation by 10% instead.

■ 28.9824, 31.4309,
34.6762

■ 28.9824, 31.4309,
34.6762

289.1276,
308.5186, 337.9975

■ 19.2117, 20.9272,
23.1320

■ 57.4469, 61.9178,
68.1297

■ 11.9283, 13.0708,
14.4848

■ 76.8714, 82.6699,
90.8761

■ 6.7667, 7.4773,
8.3160

100.2445,
107.6068, 118.1937

■ 3.3617, 3.7624,
4.2072

127.9317,
137.1130, 150.5009

■ 1.3478, 1.5415,
1.7397

160.2983,
171.5729, 188.2164

■ 0.2186, 0.3177,
0.3877

197.7095,

■ 0.0000, 0.0000,

211.3708, 231.7586

0.0000

240.5308,
256.8913, 281.5461

■ 28.9824, 31.4309,
34.6762

■ 28.9824, 31.4309,
34.6762

■ 26.3101, 30.0704,
33.8174

■ 32.0264, 32.9845,
35.5643

■ 23.9922, 28.8915,
32.9852

■ 35.4533, 34.7344,
36.4804

■ 22.0138, 27.8874,
32.1794

■ 39.2772, 36.6887,
37.4257

■ 20.3580, 27.0494,
31.3992

■ 43.5105, 38.8539,
38.4010

■ 19.0066, 26.3680,
30.6437

■ 48.1654, 41.2362,
39.4068

■ 17.9393, 25.8329,
29.9119

■ 53.2532, 43.8413,
40.4437

■ 17.1336, 25.4324,
29.2027

■ 58.7851, 46.6752,
41.5123

■ 16.5632, 25.1530,
28.5148

■ 59.7458, 47.1523,
42.3779

■ 16.1922, 24.9761,
27.8466

■ 59.9051, 47.2160,
43.2170

Harmonies

Analogous

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



29.0235, 31.4309, 33.3318



28.9824, 31.4309, 34.6762



29.1783, 31.4309, 35.9313

Triad

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



28.9824, 31.4309, 34.6762



30.4648, 31.4309, 36.2709



30.1891, 31.4309, 31.8216

Complementary

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



28.9824, 31.4309, 34.6762



28.6413, 29.1969, 31.3216

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.



30.5809, 31.4309, 32.5696



28.9824, 31.4309, 34.6762



30.7412, 31.4309, 35.1298

Square

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



28.9824, 31.4309, 34.6762



30.0320, 31.4309, 36.8679



30.7840, 31.4309, 33.7736



29.7168, 31.4309, 31.7075

Rectangle

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



28.9824, 31.4309, 34.6762



29.4182, 31.4309, 36.5395



30.7840, 31.4309, 33.7736



30.3348, 31.4309, 32.0063

Sweetspot

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



28.9833, 31.4322, 34.6769



54.6708, 58.1277, 63.5974



28.5303, 31.2725, 31.3209



12.3895, 13.1646, 14.3994



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



28.9833, 31.4322, 34.6769



51.9818, 56.7567, 62.7851



28.5050, 30.3425, 34.9279



6.4705, 7.0736, 7.8287



13.0926, 20.3005, 22.5061



0.2031, 0.3064, 0.3752

Inverse Universe

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



28.6413, 29.1969, 31.3216



51.2294, 51.8393, 55.4040



29.0990, 30.2367, 31.0910



6.3737, 6.4408, 6.8789



10.9481, 5.6335, 0.9859



0.1701, 0.0868, 0.0486

Previews

White Background



This preview shows how the XYZ color 28.9824, 31.4309, 34.6762 looks on a white background.

Color Contrast Check

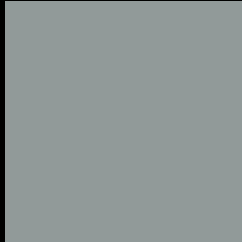
Large Text (above 18pt) WCAG AA × Fail

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 28.9824, 31.4309, 34.6762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

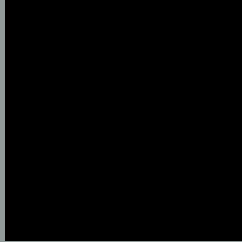
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.9824, 31.4309, 34.6762

Background



This preview shows how black text looks on a background with the XYZ color 28.9824, 31.4309, 34.6762.



This preview shows how white text looks on a background with the XYZ color 28.9824, 31.4309,

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

28.9824, 31.4309, 34.6762

Protanopia

30.1701, 31.3361, 33.7365

Deuteranopia

31.7835, 31.1999, 34.9189



Tritanopia

29.9617, 31.3399, 39.5920

Trichromacy



Original Color

28.9824, 31.4309, 34.6762

Protanomaly

29.6582, 31.3028, 34.1846

Deuteranomaly

30.8396, 31.4149, 35.0101

Tritanomaly

29.5905, 31.4315, 37.7650

Monochromacy



Original Color

28.9824, 31.4309, 34.6762

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2902, 31.1130, 34.1674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9824, 31.4309, 34.6762 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(145, 154, 153)` looks like.

```
.text, #text, p{  
    color:rgb(145, 154, 153)  
}
```

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(145, 154, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 154, 153) }
```

Border

The CSS property to change the border of an element to XYZ 28.9824, 31.4309, 34.6762 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(145, 154, 153) }
```


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

```
.border{ border-color:rgb(145, 154, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 154, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 154, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 154, 153);  
box-shadow:4px 4px 4px 4px rgb(145, 154,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9824, 31.4309, 34.6762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 154, 153) }
```

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

```
.background{ background-color: rgb(145,  
154, 153) }
```

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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