

Converting Colors

XYZ(29.0947, 31.5869, 33.5169)

Have a look what the booklet for
XYZ(29.0947, 31.5869, 33.5169)
contains.

XYZ(29.0932, 31.5163, 33.4040)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(29.0932, 31.5163,
33.4040)**

Conversions

Conversions Part 1

Format	Color
Hex	939A96
RGB	147, 154, 150
RGB Percent	58%, 60%, 59%
CMY	0.4235, 0.3961, 0.4118
CMYK	0.05, 0.00, 0.03, 0.40
HSL	146°, 3%, 59%
HSV	146°, 5%, 60%
XYZ	29.0932, 31.5163, 33.4040
YIQ	151.4510, -2.8880, -2.7280

Conversions

Conversions Part 2

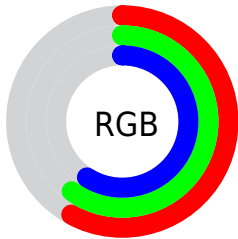
Format	Color
RYB	147, 152, 154
Decimal	9673366
CIELab	62.94, -3.30, 1.22
CIELCh	63, 3.513, 159.743
Yxy	31.5163, 0.3095, 0.3352
Android (android.graphics.Color)	4287863446 (0xFF939A96)
YUV	151.4510, -0.7153, -3.9035
Hunter-Lab	56.1394, -5.7396, 4.0189

Details

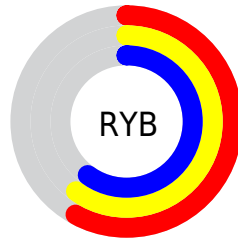
The XYZ color **29.0932, 31.5163, 33.4040** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.3472, 29.9725, 33.5182**, and the grayscale version is **29.6133, 31.1555, 33.9284**.

A 20% lighter version of the original color is **57.5424, 61.8889, 66.0397**, and **11.9262, 13.0881, 13.7021** is the 20% darker color. If you saturate the color by 10%, you get **25.8321, 29.9149, 29.6895**, and if you desaturate by 10%, it is **32.7791, 33.3323, 37.4177**.

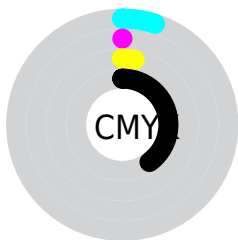
Distribution



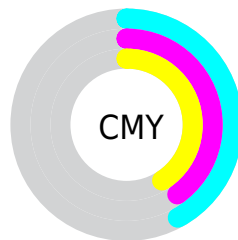
- Red (58%)
- Green (60%)
- Blue (59%)



- Red (58%)
- Yellow (60%)
- Blue (60%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



- Cyan (42%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0932, 31.5163, 33.4040 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 29.0932, 31.5163, 33.4040 by changing the saturation by 10% instead.

■ 29.0932, 31.5163,
33.4040

■ 29.0932, 31.5163,
33.4040

289.6407,
308.9099, 332.1539

■ 19.2960, 20.9923,
22.1625

■ 57.6217, 62.0520,
66.1290

■ 11.9896, 13.1184,
13.7769

■ 77.0836, 82.8326,
88.4496

■ 6.8088, 7.5101,
7.8287

100.4978,
107.8007, 115.3003

■ 3.3880, 3.7831,
3.8993

128.2297,
137.3409, 147.0996

■ 1.3621, 1.5530,
1.5703

160.6446,
171.8375, 184.2660

■ 0.2290, 0.3256,
0.2695

198.1078,

■ 0.0000, 0.0000,

211.6750, 227.2182

0.0000

240.9847,
257.2376, 276.3747

■ 29.0932, 31.5163,
33.4040

■ 29.0932, 31.5163,
33.4040

■ 25.8321, 29.9149,
29.6895

■ 32.7791, 33.3323,
37.4177

■ 22.9773, 28.5160,
26.2653

■ 36.9020, 35.3665,
41.7351

■ 20.5131, 27.3126,
23.1251

■ 41.4770, 37.6273,
46.3632

■ 18.4214, 26.2955,
20.2614

■ 46.5176, 40.1215,
51.3082

■ 16.6829, 25.4549,
17.6666

■ 52.0366, 42.8558,
56.5761

■ 15.2763, 24.7800,
15.3328

■ 58.0466, 45.8365,
62.1727

■ 14.1779, 24.2587,
13.2513

■ 64.5595, 49.0694,
68.1037

■ 13.3607, 23.8772,
11.4132

■ 65.7703, 49.5621,
74.1025

■ 12.7916, 23.6188,
9.8088

■ 66.9703, 50.0421,
80.4214

Harmonies

Analogous

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



29.3660, 31.5163, 32.3128



29.0932, 31.5163, 33.4040



29.0501, 31.5163, 34.7676

Triad

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



29.0932, 31.5163, 33.4040



30.1126, 31.5163, 37.0022



30.6745, 31.5163, 32.6448

Complementary

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



29.0932, 31.5163, 33.4040



29.3472, 29.9725, 33.5182

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.



30.8791, 31.5163, 33.8681



29.0932, 31.5163, 33.4040



30.5525, 31.5163, 36.4001

Square

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



29.0932, 31.5163, 33.4040



29.6352, 31.5163, 36.8698



30.8343, 31.5163, 35.2442



30.2777, 31.5163, 31.8827

Rectangle

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



29.0932, 31.5163, 33.4040



29.1568, 31.5163, 35.6512



30.8343, 31.5163, 35.2442



30.7682, 31.5163, 33.0143

Sweetspot

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



29.0941, 31.5176, 33.4047



55.1209, 58.3693, 63.1879



29.6012, 31.8066, 32.1832



12.4854, 13.2161, 14.3122



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.



29.0941, 31.5176, 33.4047



52.5015, 57.0803, 60.2919



29.3735, 31.6294, 34.8763



6.5167, 7.1051, 7.4847



10.2326, 19.1565, 7.4453



0.1707, 0.2935, 0.2045

Inverse Universe

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



29.3472, 29.9725, 33.5182



53.0153, 53.9438, 60.5223



29.0734, 29.8630, 32.0765



6.5860, 6.6818, 7.5158



12.3114, 6.1788, 8.1648



0.2022, 0.0996, 0.2178

Previews

White Background



This preview shows how the XYZ color 29.0932, 31.5163, 33.4040 looks on a white background.

Color Contrast Check

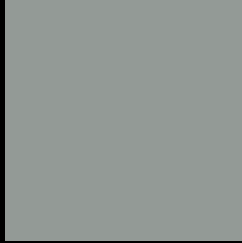
Large Text (above 18pt) WCAG AA × Fail

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 29.0932, 31.5163, 33.4040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

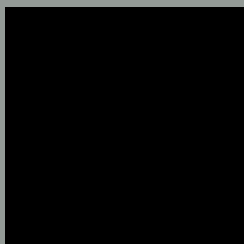
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

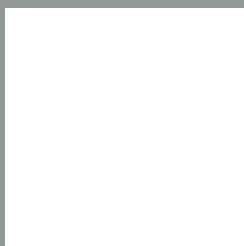
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.0932, 31.5163, 33.4040

Background



This preview shows how black text looks on a background with the XYZ color 29.0932, 31.5163, 33.4040.



This preview shows how white text looks on a background with the XYZ color 29.0932, 31.5163,

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

29.0932, 31.5163, 33.4040

Protanopia

30.2017, 31.3711, 32.8972

Deuteranopia

31.9560, 31.3173, 33.6387



Tritanopia

30.3235, 31.5264, 39.6089

Trichromacy



Original Color

29.0932, 31.5163, 33.4040

Protanomaly

29.7899, 31.3987, 32.9242

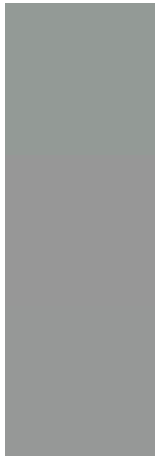
Deuteranomaly

30.9895, 31.5206, 33.7289

Tritanomaly

29.8620, 31.5816, 37.3228

Monochromacy



Original Color

29.0932, 31.5163, 33.4040

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.3918, 31.1749, 33.7464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0932, 31.5163, 33.4040 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(147, 154, 150)` looks like.

```
.text, #text, p{  
    color:rgb(147, 154, 150)  
}
```

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(147, 154, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 154, 150) }
```

Border

The CSS property to change the border of an element to XYZ 29.0932, 31.5163, 33.4040 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(147, 154, 150) }
```


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

```
.border{ border-color:rgb(147, 154, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 154, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 154, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 154, 150);  
box-shadow:4px 4px 4px 4px rgb(147, 154,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0932, 31.5163, 33.4040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 154, 150) }
```

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

```
.background{ background-color: rgb(147,  
154, 150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor