

Converting Colors

XYZ(29.5111, 31.9665, 33.8542)

Have a look what the booklet for
XYZ(29.5111, 31.9665, 33.8542)
contains.

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Color

**XYZ(29.5200, 31.9730,
33.8937)**

Conversions

Conversions Part 1

Format	Color
Hex	949B97
RGB	148, 155, 151
RGB Percent	58%, 61%, 59%
CMY	0.4196, 0.3921, 0.4078
CMYK	0.05, 0.00, 0.03, 0.39
HSL	146°, 3%, 59%
HSV	146°, 5%, 61%
XYZ	29.5200, 31.9730, 33.8937
YIQ	152.4510, -2.8880, -2.7280

Conversions

Conversions Part 2

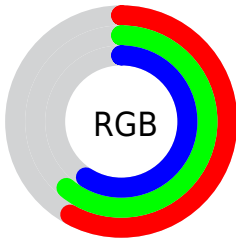
Format	Color
RYB	148, 153, 155
Decimal	9739159
CIELab	63.32, -3.29, 1.21
CIELCh	63, 3.509, 159.745
Yxy	31.9730, 0.3095, 0.3352
Android (android.graphics.Color)	4287929239 (0xFF949B97)
YUV	152.4510, -0.7153, -3.9035
Hunter-Lab	56.5447, -5.7646, 4.0420

Details

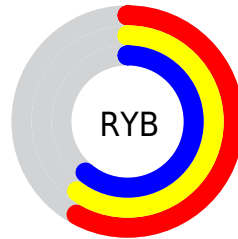
The XYZ color **29.5200, 31.9730, 33.8937** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.7761, 30.4162, 34.0088**, and the grayscale version is **30.0446, 31.6093, 34.4225**.

A 20% lighter version of the original color is **58.1770, 62.5653, 66.7677**, and **12.1803, 13.3621, 13.9938** is the 20% darker color. If you saturate the color by 10%, you get **26.2093, 30.3472, 30.1232**, and if you desaturate by 10%, it is **33.2621, 33.8167, 37.9681**.

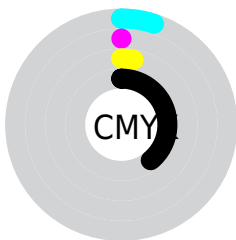
Distribution



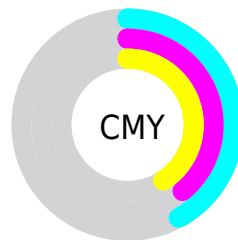
- Red (58%)
- Green (61%)
- Blue (59%)



- Red (58%)
- Yellow (60%)
- Blue (61%)



- Cyan (5%)
- Magenta (0%)
- Yellow (3%)
- Black (39%)



- Cyan (42%)
- Magenta (39%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5200, 31.9730, 33.8937 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 29.5200, 31.9730, 33.8937 by changing the saturation by 10% instead.

■ 29.5200, 31.9730,
33.8937

■ 29.5200, 31.9730,
33.8937

291.6108,
310.9962, 334.4125

■ 19.6208, 21.3409,
22.5352

■ 58.2941, 62.7688,
66.9003

■ 12.2264, 13.3734,
14.0487

■ 77.8997, 83.7012,
89.3856

■ 6.9713, 7.6862,
8.0154

101.4715,
108.8358, 116.4169

■ 3.4903, 3.8948,
4.0169

129.3749,
138.5571, 148.4127

■ 1.4181, 1.6149,
1.6346

161.9751,
173.2494, 185.7917

■ 0.2690, 0.3676,
0.3153

199.6376,

■ 0.0000, 0.0000,

213.2971, 228.9722

0.0000

242.7277,
259.0846, 278.3730

■ 29.5200, 31.9730,
33.8937

■ 29.5200, 31.9730,
33.8937

■ 26.2093, 30.3472,
30.1232

■ 33.2621, 33.8167,
37.9681

■ 23.3113, 28.9272,
26.6474

■ 37.4480, 35.8820,
42.3508

■ 20.8098, 27.7056,
23.4600

■ 42.0930, 38.1774,
47.0491

■ 18.6867, 26.6732,
20.5535

■ 47.2108, 40.7099,
52.0693

■ 16.9222, 25.8200,
17.9200

■ 52.8145, 43.4861,
57.4173

■ 15.4947, 25.1351,
15.5515

■ 58.9169, 46.5126,
63.0992

■ 14.3802, 24.6061,
13.4392

■ 64.9746, 49.5090,
69.0947

■ 13.5512, 24.2192,
11.5741

■ 66.1305, 49.9714,
75.1815

■ 12.9742, 23.9572,
9.9463

■ 67.3488, 50.4587,
81.5970

Harmonies

Analogous

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



29.7951, 31.9730, 32.7932



29.5200, 31.9730, 33.8937



29.4765, 31.9730, 35.2687

Triad

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



29.5200, 31.9730, 33.8937



30.5480, 31.9730, 37.5215



31.1145, 31.9730, 33.1278

Complementary

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



29.5200, 31.9730, 33.8937



29.7761, 30.4162, 34.0088

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.



31.3209, 31.9730, 34.3615



29.5200, 31.9730, 33.8937



30.9916, 31.9730, 36.9144

Square

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



29.5200, 31.9730, 33.8937



30.0666, 31.9730, 37.3881



31.2757, 31.9730, 35.7491



30.7144, 31.9730, 32.3592

Rectangle

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



29.5200, 31.9730, 33.8937



29.5842, 31.9730, 36.1597



31.2757, 31.9730, 35.7491



31.2090, 31.9730, 33.5005

Sweetspot

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



29.5209, 31.9744, 33.8944



55.1209, 58.3693, 63.1879



30.0323, 32.2658, 32.6624



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.



29.5209, 31.9744, 33.8944



52.5015, 57.0803, 60.2919



29.8027, 32.0871, 35.3784



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.



29.7761, 30.4162, 34.0088



53.0153, 53.9438, 60.5223



29.5000, 30.3057, 32.5549



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 29.5200, 31.9730, 33.8937 looks on a white background.

Color Contrast Check

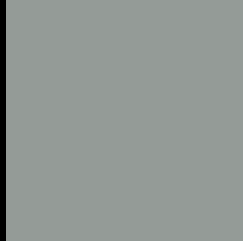
Large Text (above 18pt) WCAG AA × Fail

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 29.5200, 31.9730, 33.8937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

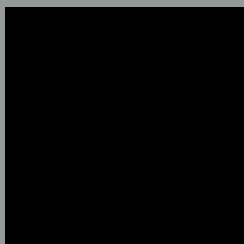
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

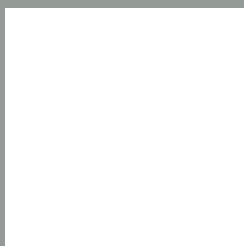
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5200, 31.9730, 33.8937

Background



This preview shows how black text looks on a background with the XYZ color 29.5200, 31.9730, 33.8937.



This preview shows how white text looks on a background with the XYZ color 29.5200, 31.9730,

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

29.5200, 31.9730, 33.8937

Protanopia

30.6379, 31.8266, 33.3825

Deuteranopia

32.4058, 31.7716, 34.1303



Tritanopia

30.7604, 31.9831, 40.1494

Trichromacy



Original Color

29.5200, 31.9730, 33.8937

Protanomaly

30.2227, 31.8545, 33.4098

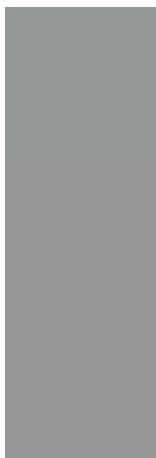
Deuteranomaly

31.4320, 31.9773, 34.2213

Tritanomaly

30.2952, 32.0388, 37.8451

Monochromacy



Original Color

29.5200, 31.9730, 33.8937

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8212, 31.6288, 34.2390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5200, 31.9730, 33.8937 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, 155, 151) looks like.

```
.text, #text, p{  
    color:rgb(148, 155, 151)  
}
```

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, 155, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 155, 151) }
```

Border

The CSS property to change the border of an element to XYZ 29.5200, 31.9730, 33.8937 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, 155, 151) }
```


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

```
.border{ border-color:rgb(148, 155, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 155, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 155, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 155, 151);  
box-shadow:4px 4px 4px 4px rgb(148, 155,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5200, 31.9730, 33.8937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 155, 151) }
```

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

```
.background{ background-color: rgb(148,  
155, 151) }
```

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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