

Converting Colors

XYZ(29.8312, 31.3883, 35.1135)

Have a look what the booklet for
XYZ(29.8312, 31.3883, 35.1135)
contains.

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Color

**XYZ(29.8235, 31.3689,
35.0548)**

Conversions

Conversions Part 1

Format	Color
Hex	97989A
RGB	151, 152, 154
RGB Percent	59%, 60%, 60%
CMY	0.4078, 0.4039, 0.3961
CMYK	0.02, 0.01, 0.00, 0.40
HSL	220°, 1%, 60%
HSV	220°, 2%, 60%
XYZ	29.8235, 31.3689, 35.0548
YIQ	151.9290, -1.2380, 0.4100

Conversions

Conversions Part 2

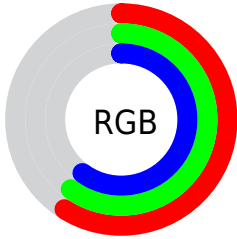
Format	Color
RYB	151, 152, 154
Decimal	9935002
CIELab	62.82, 0.03, -1.18
CIELCh	63, 1.183, 271.527
Yxy	31.3689, 0.3099, 0.3259
Android (android.graphics.Color)	4288125082 (0xFF97989A)
YUV	151.9290, 1.0210, -0.8147
Hunter-Lab	56.0079, -2.9650, 2.0966

Details

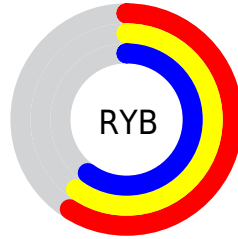
The XYZ color **29.8235, 31.3689, 35.0548** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.3037, 31.8865, 33.8362**, and the grayscale version is **29.8113, 31.3638, 34.1552**.

A 20% lighter version of the original color is **58.6333, 61.6758, 68.4888**, and **12.3574, 12.9960, 14.6891** is the 20% darker color. If you saturate the color by 10%, you get **25.5574, 26.8058, 34.3993**, and if you desaturate by 10%, it is **34.6087, 36.4150, 35.7771**.

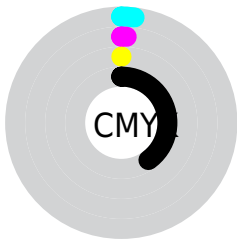
Distribution



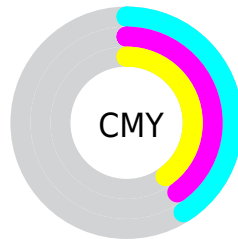
- Red (59%)
- Green (60%)
- Blue (60%)



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



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8235, 31.3689, 35.0548 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 29.8235, 31.3689, 35.0548 by changing the saturation by 10% instead.

■ 29.8235, 31.3689,
35.0548

■ 29.8235, 31.3689,
35.0548

293.0055,
308.2343, 339.7218

■ 19.8521, 20.8799,
23.4212

■ 58.7715, 61.8204,
68.7232

■ 12.3952, 13.0363,
14.6966

■ 78.4788, 82.5517,
91.5951

■ 7.0875, 7.4535,
8.4625

102.1620,
107.4659, 119.0501

■ 3.5637, 3.7473,
4.3003

130.1866,
136.9474, 151.5068

■ 1.4584, 1.5332,
1.7915

162.9179,
171.3806, 189.3838

■ 0.2973, 0.3120,
0.4223

200.7212,

■ 0.0000, 0.0000,

211.1499, 233.0996

0.0000

243.9620,
256.6396, 283.0728

■ 29.8235, 31.3689,
35.0548

■ 29.8235, 31.3689,
35.0548

■ 25.5574, 26.8058,
34.3993

■ 34.6087, 36.4150,
35.7771

■ 21.7896, 22.7069,
33.8068

■ 39.9273, 41.9540,
36.5659

■ 18.5021, 19.0582,
33.2758

■ 45.7966, 48.0006,
37.4236

■ 15.6745, 15.8434,
32.8043

■ 52.2320, 54.5677,
38.3520

■ 13.2850, 13.0451,
32.3901

■ 59.2485, 61.6678,
39.3527

■ 11.3098, 10.6447,
32.0309

■ 66.8605, 69.3127,
40.4271

■ 9.7229, 8.6219,
31.7241

■ 73.6691, 76.7858,
41.5107

■ 8.4949, 6.9544,
31.4669

■ 76.5049, 82.4574,
42.4560

■ 7.5914, 5.6168,
31.2564

■ 79.5097, 88.4669,
43.4576

Harmonies

Analogous

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



29.6670, 31.3689, 34.9455



29.8235, 31.3689, 35.0548



29.9783, 31.3689, 34.9213

Triad

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



29.8235, 31.3689, 35.0548



30.0815, 31.3689, 33.6911



29.5423, 31.3689, 33.7319

Complementary

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



29.8235, 31.3689, 35.0548



30.3037, 31.8865, 33.8362

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.



29.6526, 31.3689, 33.4007



29.8235, 31.3689, 35.0548



29.9639, 31.3689, 33.3773

Square

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



29.8235, 31.3689, 35.0548



30.1276, 31.3689, 34.1316



29.8069, 31.3689, 33.2715



29.5050, 31.3689, 34.1792

Rectangle

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



29.8235, 31.3689, 35.0548



30.0597, 31.3689, 34.7133



29.8069, 31.3689, 33.2715



29.5720, 31.3689, 33.6035

Sweetspot

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



29.8244, 31.3702, 35.0555



54.9440, 57.7990, 63.7967



30.0642, 31.9893, 34.7058



12.4478, 13.0947, 14.4418



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.



29.8244, 31.3702, 35.0555



54.1020, 56.9054, 63.6687



29.7460, 31.0893, 35.0054



6.7701, 7.1211, 7.9467



5.7634, 3.9234, 25.3612



0.1173, 0.1209, 0.3895

Inverse Universe

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



30.0612, 31.2709, 34.1589



54.5524, 56.7167, 61.9636



30.3829, 32.1720, 33.8871



6.8210, 7.0998, 7.7542



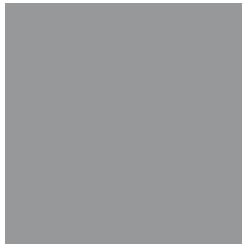
11.3679, 5.8014, 3.1962



0.1857, 0.0930, 0.1305

Previews

White Background



This preview shows how the XYZ color 29.8235, 31.3689, 35.0548 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 29.8235, 31.3689, 35.0548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

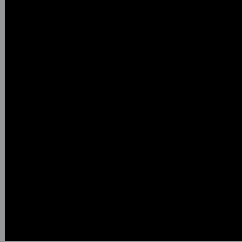
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

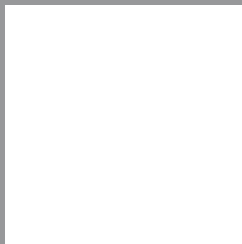
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8235, 31.3689, 35.0548

Background



This preview shows how black text looks on a background with the XYZ color 29.8235, 31.3689, 35.0548.



This preview shows how white text looks on a background with the XYZ color 29.8235, 31.3689,

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

29.8235, 31.3689, 35.0548

Protanopia

30.1428, 31.3031, 34.5904

Deuteranopia

31.8672, 31.2333, 35.3594



Tritanopia

30.6264, 31.4530, 39.1072

Trichromacy



Original Color

29.8235, 31.3689, 35.0548

Protanomaly

29.9532, 31.2054, 34.5815

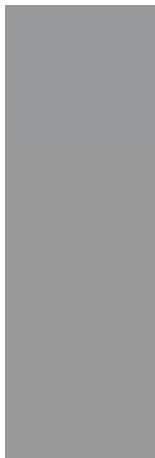
Deuteranomaly

31.1610, 31.3350, 35.4162

Tritanomaly

30.3607, 31.3467, 37.7080

Monochromacy



Original Color

29.8235, 31.3689, 35.0548

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.9269, 31.4318, 34.6266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8235, 31.3689, 35.0548 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(151, 152, 154)` looks like.

```
.text, #text, p{  
    color:rgb(151, 152, 154)  
}
```

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(151, 152, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 152, 154) }
```

Border

The CSS property to change the border of an element to XYZ 29.8235, 31.3689, 35.0548 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(151, 152, 154) }
```


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

```
.border{ border-color:rgb(151, 152, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 152, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 152, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 152, 154);  
box-shadow:4px 4px 4px 4px rgb(151, 152,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8235, 31.3689, 35.0548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 152, 154) }
```

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

```
.background{ background-color: rgb(151,  
152, 154) }
```

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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