

Converting Colors

XYZ(29.2248, 31.0083, 34.0653)

Have a look what the booklet for
XYZ(29.2248, 31.0083, 34.0653)
contains.

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Color

**XYZ(29.2902, 31.1130,
34.1674)**

Conversions

Conversions Part 1

Format	Color
Hex	959898
RGB	149, 152, 152
RGB Percent	58%, 60%, 60%
CMY	0.4157, 0.4039, 0.4039
CMYK	0.02, 0.00, 0.00, 0.40
HSL	180°, 1%, 59%
HSV	180°, 2%, 60%
XYZ	29.2902, 31.1130, 34.1674
YIQ	151.1030, -1.7880, -0.6360

Conversions

Conversions Part 2

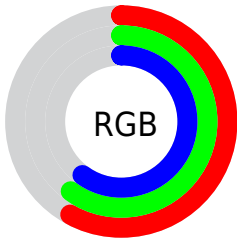
Format	Color
RYB	149, 151, 152
Decimal	9803928
CIELab	62.60, -1.08, -0.39
CIELCh	63, 1.147, 199.696
Yxy	31.1130, 0.3097, 0.3290
Android (android.graphics.Color)	4287994008 (0xFF959898)
YUV	151.1030, 0.4422, -1.8443
Hunter-Lab	55.7790, -3.8809, 2.7273

Details

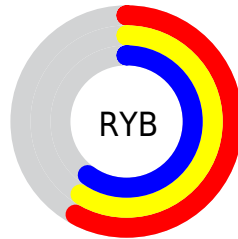
The XYZ color **29.2902, 31.1130, 34.1674** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1224, 30.3412, 32.7569**, and the grayscale version is **29.4589, 30.9931, 33.7515**.

A 20% lighter version of the original color is **57.8405, 61.2954, 67.1752**, and **12.0396, 12.8436, 14.1564** is the 20% darker color. If you saturate the color by 10%, you get **26.6952, 29.7762, 34.0414**, and if you desaturate by 10%, it is **32.2489, 32.6390, 34.3117**.

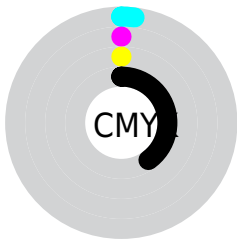
Distribution



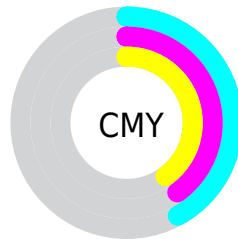
- Red (58%)
- Green (60%)
- Blue (60%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2902, 31.1130, 34.1674 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 29.2902, 31.1130, 34.1674 by changing the saturation by 10% instead.

■ 29.2902, 31.1130,
34.1674

■ 29.2902, 31.1130,
34.1674

290.5513,
307.0586, 335.6698

■ 19.4458, 20.6849,
22.7438

■ 57.9322, 61.4179,
67.3308

■ 12.0988, 12.8939,
14.2009

■ 77.4606, 82.0636,
89.9077

■ 6.8837, 7.3555,
8.1202

100.9477,
106.8838, 117.0394

■ 3.4351, 3.6854,
4.0831

128.7588,
136.2631, 149.1445

■ 1.3878, 1.4992,
1.6710

161.2594,
170.5859, 186.6416

■ 0.2475, 0.2882,
0.3408

198.8148,

■ 0.0000, 0.0000,

210.2364, 229.9491

0.0000

241.7903,
255.5992, 279.4857

■ 29.2902, 31.1130,
34.1674

■ 29.2902, 31.1130,
34.1674

■ 26.6952, 29.7762,
34.0414

■ 32.2489, 32.6390,
34.3117

■ 24.4475, 28.6176,
33.9311

■ 35.5819, 34.3571,
34.4728

■ 22.5330, 27.6307,
33.8363

■ 39.3025, 36.2750,
34.6521

■ 20.9359, 26.8075,
33.7564

■ 43.4226, 38.3989,
34.8501

■ 19.6391, 26.1391,
33.6905

■ 47.9537, 40.7347,
35.0673

■ 18.6237, 25.6158,
33.6378

■ 52.9067, 43.2879,
35.3043

■ 17.8690, 25.2268,
33.5974

■ 58.1433, 45.9874,
35.5545

■ 17.3511, 24.9599,
33.5680

■ 58.1443, 45.9878,
35.5598

■ 17.0419, 24.8007,
33.5483

■ 58.1453, 45.9882,
35.5650

Harmonies

Analogous

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



29.2776, 31.1130, 33.7232



29.2902, 31.1130, 34.1674



29.3782, 31.1130, 34.5368

Triad

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



29.2902, 31.1130, 34.1674



29.8015, 31.1130, 34.4360



29.6257, 31.1130, 33.0378

Complementary

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



29.2902, 31.1130, 34.1674



29.1224, 30.3412, 32.7569

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.



29.7666, 31.1130, 33.2252



29.2902, 31.1130, 34.1674



29.8684, 31.1130, 34.0308

Square

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



29.2902, 31.1130, 34.1674



29.6733, 31.1130, 34.6928



29.8555, 31.1130, 33.5878



29.4709, 31.1130, 33.0736

Rectangle

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



29.2902, 31.1130, 34.1674



29.4679, 31.1130, 34.6896



29.8555, 31.1130, 33.5878



29.6763, 31.1130, 33.0767

Sweetspot

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



29.2911, 31.1143, 34.1681



52.1700, 55.1599, 60.3300



29.0576, 31.0220, 32.8907



11.8646, 12.5407, 13.7126



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



29.2911, 31.1143, 34.1681



51.6678, 54.9010, 60.3056



29.0572, 30.6463, 34.0911



6.8402, 7.2615, 7.9698



14.1585, 20.7269, 28.1190



0.2117, 0.3099, 0.4207

Inverse Universe

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



29.1224, 30.3412, 32.7569



51.3605, 53.4928, 57.7352



29.3532, 30.8031, 32.8329



6.8034, 7.0928, 7.6619



10.8580, 5.5974, 0.5113



0.1624, 0.0837, 0.0079

Previews

White Background



This preview shows how the XYZ color 29.2902, 31.1130, 34.1674 looks on a white background.

Color Contrast Check

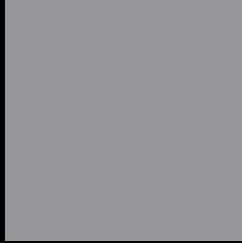
Large Text (above 18pt) WCAG AA × Fail

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 29.2902, 31.1130, 34.1674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

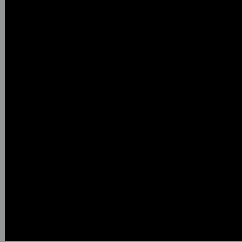
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2902, 31.1130, 34.1674

Background



This preview shows how black text looks on a background with the XYZ color 29.2902, 31.1130, 34.1674.



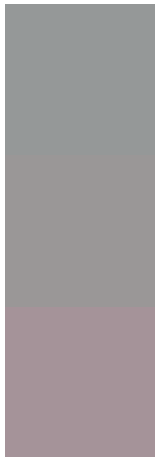
This preview shows how white text looks on a background with the XYZ color 29.2902, 31.1130,

34.1674.

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

29.2902, 31.1130, 34.1674

Protanopia

29.9789, 31.2376, 33.7276

Deuteranopia

31.7005, 31.1667, 34.4820



Tritanopia

30.1904, 31.0006, 38.5749

Trichromacy



Original Color

29.2902, 31.1130, 34.1674

Protanomaly

29.6014, 31.0430, 33.7099

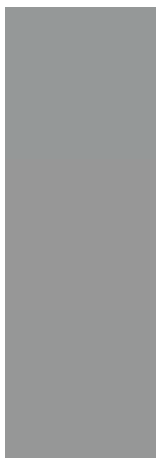
Deuteranomaly

30.7953, 31.1657, 34.5295

Tritanomaly

29.8158, 31.0859, 36.7765

Monochromacy



Original Color

29.2902, 31.1130, 34.1674

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.2302, 30.8516, 33.6925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2902, 31.1130, 34.1674 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(149, 152, 152) looks like.

```
.text, #text, p{  
    color:rgb(149, 152, 152)  
}
```

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(149, 152, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 152, 152) }
```

Border

The CSS property to change the border of an element to XYZ 29.2902, 31.1130, 34.1674 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(149, 152, 152) }
```


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

```
.border{ border-color:rgb(149, 152, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 152, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 152, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 152, 152);  
box-shadow:4px 4px 4px 4px rgb(149, 152,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2902, 31.1130, 34.1674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 152, 152) }
```

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

```
.background{ background-color: rgb(149,  
152, 152) }
```

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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