

Converting Colors

XYZ(29.8074, 31.5905, 31.4572)

Have a look what the booklet for
XYZ(29.8074, 31.5905, 31.4572)
contains.

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Color

**XYZ(29.8285, 31.6968,
31.3340)**

Conversions

Conversions Part 1

Format	Color
Hex	9A9991
RGB	154, 153, 145
RGB Percent	60%, 60%, 57%
CMY	0.3961, 0.4000, 0.4314
CMYK	0.00, 0.01, 0.06, 0.40
HSL	53°, 4%, 59%
HSV	53°, 6%, 60%
XYZ	29.8285, 31.6968, 31.3340
YIQ	152.3870, 3.1640, -2.2760

Conversions

Conversions Part 2

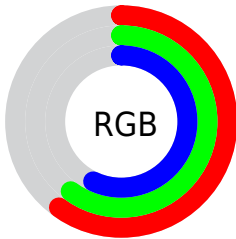
Format	Color
RYB	146, 154, 145
Decimal	10131857
CIELab	63.09, -1.13, 4.32
CIELCh	63, 4.467, 104.642
Yxy	31.6968, 0.3212, 0.3413
Android (android.graphics.Color)	4288321937 (0xFF9A9991)
YUV	152.3870, -3.6418, 1.4146
Hunter-Lab	56.2999, -3.9530, 6.4118

Details

The XYZ color **29.8285, 31.6968, 31.3340** is a light color, and the websafe version is hex **999999**. A complement of this color would be **27.7887, 28.9102, 34.6879**, and the grayscale version is **30.0273, 31.5910, 34.4026**.

A 20% lighter version of the original color is **58.6341, 62.1591, 62.9404**, and **12.4104, 13.2125, 12.7226** is the 20% darker color. If you saturate the color by 10%, you get **28.4437, 30.7002, 25.4055**, and if you desaturate by 10%, it is **31.3801, 32.7686, 38.1131**.

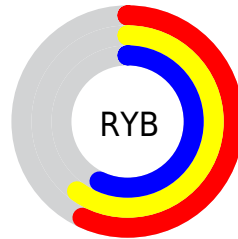
Distribution



Red (60%)

Green (60%)

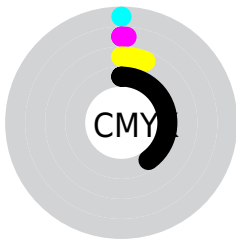
Blue (57%)



Red (57%)

Yellow (60%)

Blue (57%)

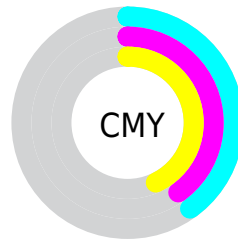


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8285, 31.6968, 31.3340 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 29.8285, 31.6968, 31.3340 by changing the saturation by 10% instead.

■ 29.8285, 31.6968,
31.3340

■ 29.8285, 31.6968,
31.3340

293.0284,
309.7358, 322.4728

■ 19.8559, 21.1300,
20.5927

■ 58.7793, 62.3355,
62.8513

■ 12.3980, 13.2191,
12.6383

■ 78.4883, 83.1761,
84.4643

■ 7.0894, 7.5796,
7.0522

102.1734,
108.2102, 110.5384

■ 3.5649, 3.8271,
3.4158

130.1999,
137.8221, 141.4920

■ 1.4591, 1.5773,
1.3107

162.9334,
172.3962, 177.7437

■ 0.2977, 0.3422,
0.0705

200.7390,

■ 0.0000, 0.0000,

212.3169, 219.7121

0.0000

243.9823,
257.9687, 267.8156

■ 29.8285, 31.6968,
31.3340

■ 29.8285, 31.6968,
31.3340

■ 28.4437, 30.7002,
25.4055

■ 31.3801, 32.7686,
38.1131

■ 27.2165, 29.7719,
20.2917

■ 33.1019, 33.9139,
45.7727

■ 26.1410, 28.9107,
15.9571

■ 35.0006, 35.1363,
54.3438

■ 25.2098, 28.1135,
12.3627

■ 37.0817, 36.4382,
63.8552

■ 24.4148, 27.3771,
9.4664

■ 39.3504, 37.8217,
74.3347

■ 23.7473, 26.6979,
7.2218

■ 41.8118, 39.2887,
85.8086

■ 23.1972, 26.0719,
5.5766

■ 44.4706, 40.8412,
98.3023

■ 22.7532, 25.4946,
4.4707

■ 45.1323, 41.6015,
100.2589

■ 22.3994, 24.9595,
3.8209

■ 45.4462, 42.2292,
100.3635

Harmonies

Analogous

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



30.4416, 31.6968, 31.3443



29.8285, 31.6968, 31.3340



29.3024, 31.6968, 32.1552

Triad

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



29.8285, 31.6968, 31.3340



29.2921, 31.6968, 36.9508



31.2833, 31.6968, 35.4184

Complementary

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



29.8285, 31.6968, 31.3340



27.7887, 28.9102, 34.6879

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.



30.9667, 31.6968, 36.9822



29.8285, 31.6968, 31.3340



29.8143, 31.6968, 37.8872

Square

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



29.8285, 31.6968, 31.3340



28.9956, 31.6968, 35.3769



30.4272, 31.6968, 37.8988



31.2872, 31.6968, 33.6622

Rectangle

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



29.8285, 31.6968, 31.3340



29.0694, 31.6968, 33.0803



30.4272, 31.6968, 37.8988



31.2097, 31.6968, 35.9854

Sweetspot

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



29.8294, 31.6982, 31.3347



55.2224, 58.3055, 61.4201



28.6445, 29.1982, 31.3410



12.5070, 13.2025, 13.9356



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.



29.8294, 31.6982, 31.3347



53.8438, 57.3392, 55.4393



29.3460, 31.6923, 31.3590



6.7101, 7.1484, 6.8836



18.1542, 20.1909, 2.9404



0.2859, 0.3308, 0.0488

Inverse Universe

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



27.7887, 28.9102, 34.6879



49.3530, 51.2040, 62.8185



28.2529, 28.9223, 34.6658



6.1322, 6.3589, 7.8332



4.9307, 2.2580, 25.0837



0.0864, 0.0591, 0.3792

Previews

White Background



This preview shows how the XYZ color 29.8285, 31.6968, 31.3340 looks on a white background.

Color Contrast Check

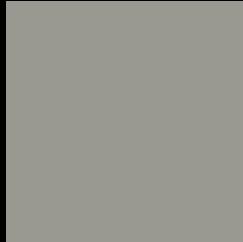
Large Text (above 18pt) WCAG AA × Fail

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 29.8285, 31.6968, 31.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

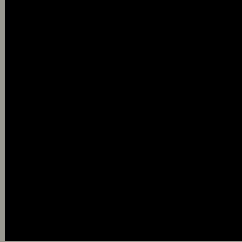
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8285, 31.6968, 31.3340

Background



This preview shows how black text looks on a background with the XYZ color 29.8285, 31.6968, 31.3340.



This preview shows how white text looks on a background with the XYZ color 29.8285, 31.6968,

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

29.8285, 31.6968, 31.3340

Protanopia

30.1669, 31.6382, 30.9024

Deuteranopia

32.1996, 31.4888, 31.5750



Tritanopia

31.3326, 31.5894, 38.6284

Trichromacy



Original Color

29.8285, 31.6968, 31.3340

Protanomaly

29.9726, 31.5380, 30.8933

Deuteranomaly

31.2456, 31.4627, 31.6202

Tritanomaly

30.7777, 31.6014, 35.9300

Monochromacy



Original Color

29.8285, 31.6968, 31.3340

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.7899, 31.3987, 32.9242

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8285, 31.6968, 31.3340 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(154, 153, 145)` looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 29.8285, 31.6968, 31.3340 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(154, 153, 145) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 29.8285, 31.6968, 31.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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