

Converting Colors

XYZ(29.9272, 31.7042, 33.3130)

Have a look what the booklet for
XYZ(29.9272, 31.7042, 33.3130)
contains.

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Color

**XYZ(30.0331, 31.7568,
33.4009)**

Conversions

Conversions Part 1

Format	Color
Hex	999996
RGB	153, 153, 150
RGB Percent	60%, 60%, 59%
CMY	0.4000, 0.4000, 0.4118
CMYK	0.00, 0.00, 0.02, 0.40
HSL	60°, 1%, 59%
HSV	60°, 2%, 60%
XYZ	30.0331, 31.7568, 33.4009
YIQ	152.6580, 0.9630, -0.9330

Conversions

Conversions Part 2

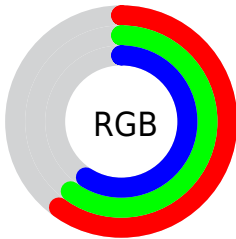
Format	Color
RYB	150, 153, 150
Decimal	10066326
CIELab	63.14, -0.57, 1.57
CIELCh	63, 1.666, 109.969
Yxy	31.7568, 0.3155, 0.3336
Android (android.graphics.Color)	4288256406 (0xFF999996)
YUV	152.6580, -1.3104, 0.2999
Hunter-Lab	56.3532, -3.4875, 4.3056

Details

The XYZ color **30.0331, 31.7568, 33.4009** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.2351, 30.5975, 34.5037**, and the grayscale version is **30.1357, 31.7051, 34.5268**.

A 20% lighter version of the original color is **58.9440, 62.2507, 66.0356**, and **12.4830, 13.2284, 13.6998** is the 20% darker color. If you saturate the color by 10%, you get **28.8780, 31.2954, 27.3299**, and if you desaturate by 10%, it is **31.3509, 32.2853, 40.3207**.

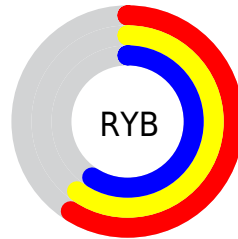
Distribution



Red (60%)

Green (60%)

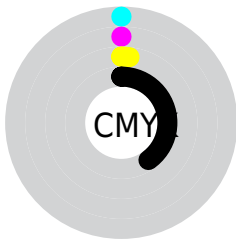
Blue (59%)



Red (59%)

Yellow (60%)

Blue (59%)

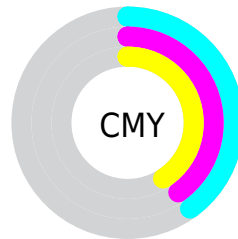


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (40%)



Cyan (40%)

Magenta (40%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0331, 31.7568, 33.4009 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 30.0331, 31.7568, 33.4009 by changing the saturation by 10% instead.

■ 30.0331, 31.7568,
33.4009

■ 30.0331, 31.7568,
33.4009

293.9658,
310.0099, 332.1396

■ 20.0119, 21.1758,
22.1601

■ 59.1008, 62.4296,
66.1241

■ 12.5120, 13.2526,
13.7752

■ 78.8780, 83.2903,
88.4437

■ 7.1681, 7.6027,
7.8275

102.6379,
108.3462, 115.2932

■ 3.6147, 3.8418,
3.8986

130.7459,
137.9819, 147.0912

■ 1.4865, 1.5855,
1.5699

163.5674,
172.5817, 184.2564

■ 0.3167, 0.3478,
0.2692

201.4676,

■ 0.0000, 0.0000,

212.5301, 227.2071

0.0000

244.8119,
258.2113, 276.3620

■ 30.0331, 31.7568,
33.4009

■ 30.0331, 31.7568,
33.4009

■ 28.8780, 31.2954,
27.3299

■ 31.3509, 32.2853,
40.3207

■ 27.8767, 30.8945,
22.0731

■ 32.8347, 32.8791,
48.1179

■ 27.0235, 30.5529,
17.5963

■ 34.4907, 33.5419,
56.8226

■ 26.3115, 30.2677,
13.8626

■ 36.3244, 34.2757,
66.4627

■ 25.7329, 30.0360,
10.8317

■ 38.3407, 35.0826,
77.0648

■ 25.2794, 29.8542,
8.4596

■ 40.5447, 35.9646,
88.6546

■ 24.9417, 29.7188,
6.6975

■ 42.6002, 36.7871,
99.4631

■ 24.7093, 29.6255,
5.4895

■ 42.6033, 36.7887,
99.4632

■ 24.5697, 29.5693,
4.7699

■ 42.6063, 36.7903,
99.4634

Harmonies

Analogous

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



30.2610, 31.7568, 33.3454



30.0331, 31.7568, 33.4009



29.8465, 31.7568, 33.7694

Triad

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



30.0331, 31.7568, 33.4009



29.9003, 31.7568, 35.5567



30.6215, 31.7568, 34.7989

Complementary

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



30.0331, 31.7568, 33.4009



29.2351, 30.5975, 34.5037

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.



30.5238, 31.7568, 35.3989



30.0331, 31.7568, 33.4009



30.1069, 31.7568, 35.8401

Square

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



30.0331, 31.7568, 33.4009



29.7701, 31.7568, 35.0121



30.3352, 31.7568, 35.7819



30.6015, 31.7568, 34.1470

Rectangle

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



30.0331, 31.7568, 33.4009



29.7703, 31.7568, 34.1457



30.3352, 31.7568, 35.7819



30.6013, 31.7568, 35.0134

Sweetspot

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



30.0340, 31.7582, 33.4016



53.9944, 56.9561, 60.9177



29.5492, 30.7878, 33.2398



11.9256, 12.5777, 13.4675



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.



30.0340, 31.7582, 33.4016



53.7675, 56.8653, 59.7258



29.7529, 31.6133, 33.3884



6.9082, 7.3026, 7.6967



20.2471, 24.4136, 3.6452



0.3029, 0.3651, 0.0545

Inverse Universe

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



29.2351, 30.5975, 34.5037



52.2814, 54.7064, 61.7758



29.5126, 30.7406, 34.5167



6.7354, 7.0516, 7.9351



4.7539, 1.9018, 25.0242



0.0712, 0.0285, 0.3741

Previews

White Background



This preview shows how the XYZ color 30.0331, 31.7568, 33.4009 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 30.0331, 31.7568, 33.4009 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 30.0331, 31.7568, 33.4009

Background



This preview shows how black text looks on a background with the XYZ color 30.0331, 31.7568, 33.4009.



This preview shows how white text looks on a background with the XYZ color 30.0331, 31.7568,

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

30.0331, 31.7568, 33.4009

Protanopia

30.3634, 31.6943, 32.9511

Deuteranopia

32.3243, 31.7390, 33.7007



Tritanopia

31.1950, 31.7461, 39.1338

Trichromacy



Original Color

30.0331, 31.7568, 33.4009

Protanomaly

30.1706, 31.5950, 32.9420

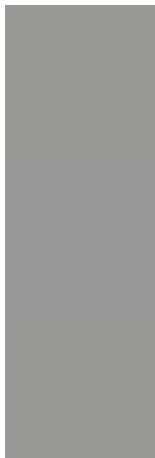
Deuteranomaly

31.5965, 31.8336, 33.7573

Tritanomaly

30.7262, 31.7951, 36.8654

Monochromacy



Original Color

30.0331, 31.7568, 33.4009

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1956, 31.8218, 34.2565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0331, 31.7568, 33.4009 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(153, 153, 150)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 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(153, 153, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 150) }
```

Border

The CSS property to change the border of an element to XYZ 30.0331, 31.7568, 33.4009 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(153, 153, 150) }
```


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

```
.border{ border-color:rgb(153, 153, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 150);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0331, 31.7568, 33.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 150) }
```

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

```
.background{ background-color: rgb(153,  
153, 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](#).

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