

Converting Colors

XYZ(29.6300, 31.0889, 33.8666)

Have a look what the booklet for
XYZ(29.6300, 31.0889, 33.8666)
contains.

XYZ(29.6014, 31.0430, 33.7099)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(29.6014, 31.0430,
33.7099)**

Conversions

Conversions Part 1

Format	Color
Hex	989797
RGB	152, 151, 151
RGB Percent	60%, 59%, 59%
CMY	0.4039, 0.4078, 0.4078
CMYK	0.00, 0.01, 0.01, 0.40
HSL	0°, 0%, 59%
HSV	0°, 1%, 60%
XYZ	29.6014, 31.0430, 33.7099
YIQ	151.2990, 0.5960, 0.2120

Conversions

Conversions Part 2

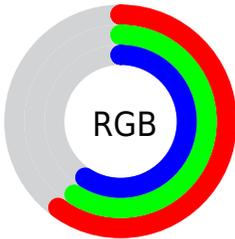
Format	Color
RYB	152, 151, 151
Decimal	10000279
CIELab	62.54, 0.37, 0.12
CIELCh	63, 0.386, 18.289
Yxy	31.0430, 0.3137, 0.3290
Android (android.graphics.Color)	4288190359 (0xFF989797)
YUV	151.2990, -0.1474, 0.6148
Hunter-Lab	55.7162, -2.6684, 3.1292

Details

The XYZ color **29.6014, 31.0430, 33.7099** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.6582, 31.3023, 34.1849**, and the grayscale version is **29.5447, 31.0833, 33.8497**.

A 20% lighter version of the original color is **58.3044, 61.1922, 66.4959**, and **12.2242, 12.8011, 13.8832** is the 20% darker color. If you saturate the color by 10%, you get **26.1613, 26.0122, 26.8605**, and if you desaturate by 10%, it is **33.5162, 36.7675, 41.5036**.

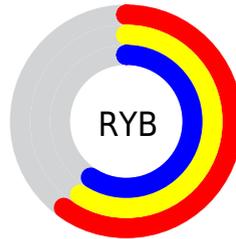
Distribution



Red (60%)

Green (59%)

Blue (59%)



Red (60%)

Yellow (59%)

Blue (59%)

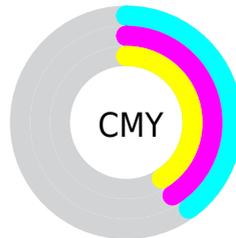


Cyan (0%)

Magenta (1%)

Yellow (1%)

Black (40%)



Cyan (40%)

Magenta (41%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.6014, 31.0430, 33.7099 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 29.6014, 31.0430, 33.7099 by changing the saturation by 10% instead.

■ 29.6014, 31.0430,
33.7099

■ 29.6014, 31.0430,
33.7099

291.9853,
306.7364, 333.5661

■ 19.6828, 20.6316,
22.3953

■ 58.4222, 61.3078,
66.6110

■ 12.2716, 12.8550,
13.9465

■ 78.0551, 81.9299,
89.0346

■ 7.0024, 7.3288,
7.9452

101.6569,
106.7244, 115.9982

■ 3.5100, 3.6685,
3.9726

129.5928,
136.0757, 147.9204

■ 1.4288, 1.4899,
1.6103

162.2282,
170.3682, 185.2198

■ 0.2766, 0.2816,
0.2982

199.9286,

■ 0.0000, 0.0000,

209.9861, 228.3148

0.0000

243.0592,
255.3141, 277.6241

■ 29.6014, 31.0430,
33.7099

■ 29.6014, 31.0430,
33.7099

■ 26.1613, 26.0122,
26.8605

■ 33.5162, 36.7675,
41.5036

■ 23.1752, 21.6450,
20.9176

■ 37.9199, 43.2065,
50.2733

■ 20.6251, 17.9148,
15.8437

■ 42.8296, 50.3848,
60.0520

■ 18.4905, 14.7920,
11.5983

■ 48.2606, 58.3249,
70.8703

■ 16.7495, 12.2444,
8.1373

■ 54.2277, 67.0482,
82.7576

■ 15.3781, 10.2369,
5.4128

■ 60.7449, 76.5755,
95.7422

■ 14.3494, 8.7306,
3.3714

■ 66.7590, 85.4155,
107.5760

■ 13.6334, 7.6814,
1.9526

■ 13.1946, 7.0376,
1.0856

Harmonies

Analogous

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



29.6044, 31.0430, 33.8593



29.6014, 31.0430, 33.7099



29.5727, 31.0430, 33.5852

Triad

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



29.6014, 31.0430, 33.7099



29.4301, 31.0430, 33.6085



29.4850, 31.0430, 34.0845

Complementary

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



29.6014, 31.0430, 33.7099



29.6582, 31.3023, 34.1849

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.



29.4383, 31.0430, 34.0168



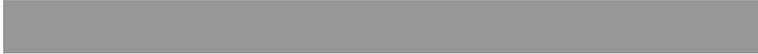
29.6014, 31.0430, 33.7099



29.4067, 31.0430, 33.7419

Square

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



29.6014, 31.0430, 33.7099



29.4738, 31.0430, 33.5268



29.4097, 31.0430, 33.8914



29.5371, 31.0430, 34.0758

Rectangle

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



29.6014, 31.0430, 33.7099



29.5428, 31.0430, 33.5326



29.4097, 31.0430, 33.8914



29.4681, 31.0430, 34.0699

Sweetspot

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



29.6023, 31.0443, 33.7106



52.6788, 55.4222, 60.3547



29.6834, 31.0761, 34.1399



11.9732, 12.5967, 13.7178



72.9764, 76.7769, 83.6100

Same Dimension

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



29.6023, 31.0443, 33.7106



52.0163, 54.4534, 59.0358



29.6825, 31.2047, 33.7373



6.8820, 7.2079, 7.8178



10.8616, 5.6055, 0.5095



0.1627, 0.0844, 0.0077

Inverse Universe

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



29.6582, 31.3023, 34.1849



52.1689, 55.1575, 60.3305



29.5777, 31.1413, 34.1581



6.9003, 7.2922, 7.9728



14.1105, 20.6177, 28.1436



0.2114, 0.3090, 0.4209

Previews

White Background



This preview shows how the XYZ color 29.6014, 31.0430, 33.7099 looks on a white background.

Color Contrast Check

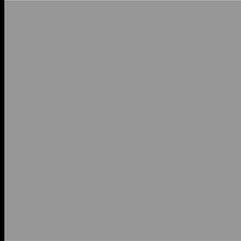
Large Text (above 18pt) WCAG AA × Fail

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 29.6014, 31.0430, 33.7099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

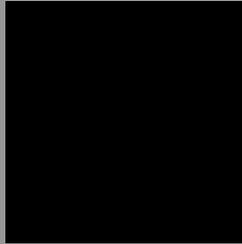
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

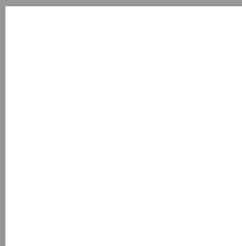
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.6014, 31.0430, 33.7099

Background



This preview shows how black text looks on a background with the XYZ color 29.6014, 31.0430, 33.7099.



This preview shows how white text looks on a background with the XYZ color 29.6014, 31.0430,

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

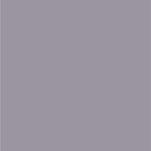
29.6014, 31.0430, 33.7099

Protanopia

29.8187, 30.9171, 33.6741

Deuteranopia

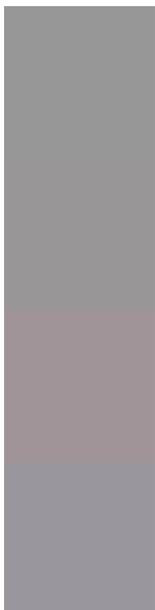
31.4634, 30.8241, 33.9971



Tritanopia

30.5069, 30.9381, 38.0820

Trichromacy



Original Color

29.6014, 31.0430, 33.7099

Protanomaly

29.6291, 30.8194, 33.6653

Deuteranomaly

30.7546, 30.9204, 34.0531

Tritanomaly

30.1290, 31.0193, 36.2976

Monochromacy



Original Color

29.6014, 31.0430, 33.7099

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.4150, 30.9469, 33.7012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6014, 31.0430, 33.7099 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(152, 151, 151)` looks like.

```
.text, #text, p{  
    color:rgb(152, 151, 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(152, 151, 151) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 29.6014, 31.0430, 33.7099 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(152, 151, 151) }
```

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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 29.6014, 31.0430, 33.7099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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