

Converting Colors

XYZ(30.1357, 31.4650, 34.8055)

Have a look what the booklet for
XYZ(30.1357, 31.4650, 34.8055)
contains.

XYZ(30.1149, 31.5287, 34.6354)	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(30.1149, 31.5287,
34.6354)**

Conversions

Conversions Part 1

Format	Color
Hex	999899
RGB	153, 152, 153
RGB Percent	60%, 60%, 60%
CMY	0.4000, 0.4039, 0.4000
CMYK	0.00, 0.01, 0.00, 0.40
HSL	300°, 0%, 60%
HSV	300°, 1%, 60%
XYZ	30.1149, 31.5287, 34.6354
YIQ	152.4130, 0.2750, 0.5230

Conversions

Conversions Part 2

Format	Color
RYB	153, 152, 153
Decimal	10066073
CIELab	62.95, 0.56, -0.40
CIELCh	63, 0.689, 324.175
Yxy	31.5287, 0.3128, 0.3275
Android (android.graphics.Color)	4288256153 (0xFF999899)
YUV	152.4130, 0.2894, 0.5148
Hunter-Lab	56.1504, -2.5292, 2.7333

Details

The XYZ color **30.1149, 31.5287, 34.6354** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.0088, 31.7257, 34.2495**, and the grayscale version is **30.0230, 31.5865, 34.3977**.

A 20% lighter version of the original color is **59.0659, 61.9130, 67.8688**, and **12.5314, 13.0915, 14.4368** is the 20% darker color. If you saturate the color by 10%, you get **27.7904, 26.8795, 33.8602**, and if you desaturate by 10%, it is **32.7616, 36.8213, 35.5187**.

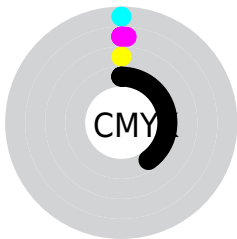
Distribution



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



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1149, 31.5287, 34.6354 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 30.1149, 31.5287, 34.6354 by changing the saturation by 10% instead.

■ 30.1149, 31.5287,
34.6354

■ 30.1149, 31.5287,
34.6354

294.3399,
308.9667, 337.8113

■ 20.0743, 21.0018,
23.1009

■ 59.2292, 62.0715,
68.0657

■ 12.5577, 13.1253,
14.4620

■ 79.0337, 82.8562,
90.7986

■ 7.1996, 7.5149,
8.3003

102.8235,
107.8289, 118.1012

■ 3.6346, 3.7861,
4.1972

130.9639,
137.3740, 150.3923

■ 1.4976, 1.5547,
1.7341

163.8205,
171.8759, 188.0903

■ 0.3242, 0.3267,
0.3840

201.7584,

■ 0.0000, 0.0000,

211.7191, 231.6138

0.0000

245.1431,
257.2879, 281.3813

■ 30.1149, 31.5287,
34.6354

■ 30.1149, 31.5287,
34.6354

■ 27.7904, 26.8795,
33.8602

■ 32.7616, 36.8213,
35.5187

■ 25.7732, 22.8453,
33.1871

■ 35.7392, 42.7763,
36.5120

■ 24.0512, 19.4016,
32.6123

■ 39.0596, 49.4169,
37.6196

■ 22.6106, 16.5207,
32.1314

■ 42.7332, 56.7639,
38.8448

■ 21.4365, 14.1727,
31.7393

■ 46.7701, 64.8374,
40.1912

■ 20.5126, 12.3250,
31.4306

■ 51.1797, 73.6565,
41.6618

■ 19.8206, 10.9413,
31.1992

■ 54.6480, 80.5928,
42.8186

■ 19.3400, 9.9805,
31.0383

■ 54.6481, 80.5928,
42.8194

■ 19.0467, 9.3941,
30.9398

■ 54.6483, 80.5929,
42.8202

Harmonies

Analogous

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



30.0417, 31.5287, 34.8071



30.1149, 31.5287, 34.6354



30.1485, 31.5287, 34.3823

Triad

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



30.1149, 31.5287, 34.6354



29.9856, 31.5287, 33.8134



29.8013, 31.5287, 34.5433

Complementary

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



30.1149, 31.5287, 34.6354



30.0088, 31.7257, 34.2495

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.



29.7864, 31.5287, 34.2765



30.1149, 31.5287, 34.6354



29.8926, 31.5287, 33.8560

Square

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



30.1149, 31.5287, 34.6354



30.0737, 31.5287, 33.9085



29.8198, 31.5287, 34.0252



29.8607, 31.5287, 34.7538

Rectangle

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



30.1149, 31.5287, 34.6354



30.1439, 31.5287, 34.2019



29.8198, 31.5287, 34.0252



29.7910, 31.5287, 34.4572

Sweetspot

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



30.1158, 31.5301, 34.6361



54.2243, 57.0482, 62.1254



29.9283, 31.4334, 34.6274



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.



30.1158, 31.5301, 34.6361



53.7699, 56.1394, 61.9738



30.0747, 31.5136, 34.4196



6.9086, 7.2183, 7.9581



15.6083, 7.4975, 25.5258



0.2334, 0.1121, 0.3817

Inverse Universe

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



30.1158, 31.5301, 34.6361



53.7699, 56.1394, 61.9738



30.0498, 31.7421, 34.4650



6.9086, 7.2183, 7.9581



15.6083, 7.4975, 25.5258



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 30.1149, 31.5287, 34.6354 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 30.1149, 31.5287, 34.6354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

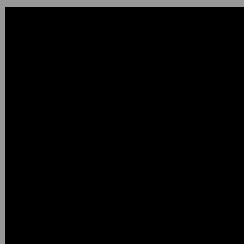
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

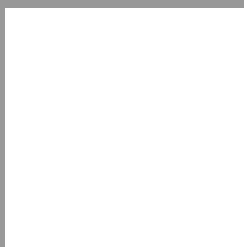
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1149, 31.5287, 34.6354

Background



This preview shows how black text looks on a background with the XYZ color 30.1149, 31.5287, 34.6354.



This preview shows how white text looks on a background with the XYZ color 30.1149, 31.5287, 34.6354.

34.6354.

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

30.1149, 31.5287, 34.6354

Protanopia

30.3339, 31.4017, 34.5994

Deuteranopia

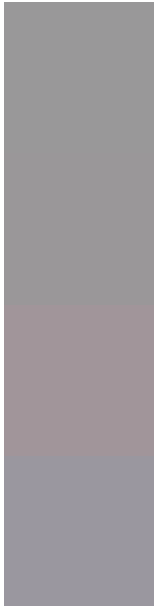
31.9923, 31.3075, 34.9286



Tritanopia

30.9146, 31.6119, 38.6547

Trichromacy



Original Color

30.1149, 31.5287, 34.6354

Protanomaly

30.1428, 31.3031, 34.5904

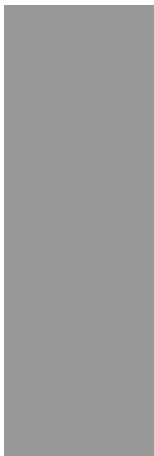
Deuteranomaly

31.2781, 31.4051, 34.9851

Tritanomaly

30.6510, 31.5064, 37.2668

Monochromacy



Original Color

30.1149, 31.5287, 34.6354

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.8446, 31.3989, 34.1934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1149, 31.5287, 34.6354 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, 152, 153)` looks like.

```
.text, #text, p{  
    color:rgb(153, 152, 153)  
}
```

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, 152, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 152, 153) }
```

Border

The CSS property to change the border of an element to XYZ 30.1149, 31.5287, 34.6354 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, 152, 153) }
```

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

```
.border{ border-color:rgb(153, 152, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 152, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 152, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 152, 153);  
box-shadow:4px 4px 4px 4px rgb(153, 152,  
153) }
```


Background

The CSS property to change the background color of an element to XYZ 30.1149, 31.5287, 34.6354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 152, 153) }
```

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

```
.background{ background-color: rgb(153,  
152, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor