

Converting Colors

XYZ(30.0729, 31.3073, 36.4808)

Have a look what the booklet for
XYZ(30.0729, 31.3073, 36.4808)
contains.

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Color

**XYZ(29.9149, 31.1468,
36.3335)**

Conversions

Conversions Part 1

Format	Color
Hex	97979D
RGB	151, 151, 157
RGB Percent	59%, 59%, 62%
CMY	0.4078, 0.4078, 0.3843
CMYK	0.04, 0.04, 0.00, 0.38
HSL	240°, 3%, 60%
HSV	240°, 4%, 62%
XYZ	29.9149, 31.1468, 36.3335
YIQ	151.6840, -1.9260, 1.8660

Conversions

Conversions Part 2

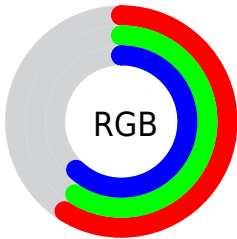
Format	Color
R_{YB}	151, 151, 157
Decimal	9934749
CIE Lab	62.63, 1.18, -3.15
CIE LCh	63, 3.365, 290.563
Yxy	31.1468, 0.3071, 0.3198
Android (android.graphics.Color)	4288124829 (0xFF97979D)
YUV	151.6840, 2.6208, -0.5999
Hunter-Lab	55.8093, -1.9868, 0.4670

Details

The XYZ color **29.9149, 31.1468, 36.3335** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5476, 33.5161, 34.0852**, and the grayscale version is **29.6993, 31.2459, 34.0268**.

A 20% lighter version of the original color is **58.8918, 61.3952, 71.0339**, and **12.4142, 12.8643, 15.4644** is the 20% darker color. If you saturate the color by 10%, you get **24.8333, 25.0246, 35.4201**, and if you desaturate by 10%, it is **35.7227, 38.1442, 37.3785**.

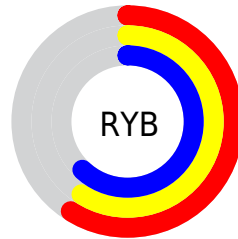
Distribution



Red (59%)

Green (59%)

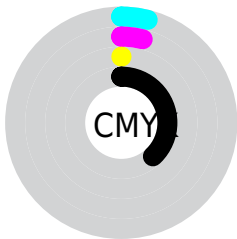
Blue (62%)



Red (59%)

Yellow (59%)

Blue (62%)

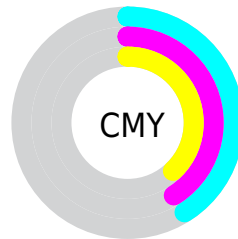


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (38%)



Cyan (41%)

Magenta (41%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9149, 31.1468, 36.3335 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 29.9149, 31.1468, 36.3335 by changing the saturation by 10% instead.

■ 29.9149, 31.1468,
36.3335

■ 29.9149, 31.1468,
36.3335

293.4245,
307.2141, 345.4973

■ 19.9218, 20.7107,
24.4001

■ 58.9151, 61.4711,
70.7213

■ 12.4461, 12.9127,
15.4158

■ 78.6529, 82.1281,
94.0129

■ 7.1226, 7.3684,
8.9618

102.3696,
106.9608, 121.9276

■ 3.5859, 3.6936,
4.6198

130.4306,
136.3536, 154.8840

■ 1.4707, 1.5037,
1.9712

163.2013,
170.6910, 193.3006

■ 0.3057, 0.2913,
0.5375

201.0469,

■ 0.0000, 0.0000,

210.3572, 237.5960

0.0000

244.3329,
255.7368, 288.1887

■ 29.9149, 31.1468,
36.3335

■ 29.9149, 31.1468,
36.3335

■ 24.8333, 25.0246,
35.4201

■ 35.7227, 38.1442,
37.3785

■ 20.4466, 19.7394,
34.6312

■ 42.2807, 46.0452,
38.5579

■ 16.7256, 15.2561,
33.9619

■ 49.6153, 54.8817,
39.8770

■ 13.6377, 11.5355,
33.4065

■ 57.7508, 64.6831,
41.3400

■ 11.1477, 8.5352,
32.9586

■ 66.7104, 75.4772,
42.9513

■ 9.2170, 6.2085,
32.6113

■ 76.5164, 87.2908,
44.7147

■ 7.8022, 4.5036,
32.3568

■ 83.0859, 95.2144,
45.8978

■ 6.8540, 3.3607,
32.1862

■ 6.3132, 2.7087,
32.0888

Harmonies

Analogous

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



29.4597, 31.1468, 36.4663



29.9149, 31.1468, 36.3335



30.2904, 31.1468, 35.5433

Triad

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



29.9149, 31.1468, 36.3335



30.1678, 31.1468, 32.0003



28.7427, 31.1468, 33.5012

Complementary

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



29.9149, 31.1468, 36.3335



31.5476, 33.5161, 34.0852

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.



28.9283, 31.1468, 32.3345



29.9149, 31.1468, 36.3335



29.7489, 31.1468, 31.4828

Square

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



29.9149, 31.1468, 36.3335



30.4374, 31.1468, 33.0343



29.2955, 31.1468, 31.6035



28.7861, 31.1468, 34.8083

Rectangle

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



29.9149, 31.1468, 36.3335



30.4435, 31.1468, 34.7609



29.2955, 31.1468, 31.6035



28.7803, 31.1468, 33.0801

Sweetspot

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



29.9158, 31.1481, 36.3342



56.3567, 59.1332, 65.5703



30.8972, 33.1246, 36.6192



12.4146, 13.0284, 14.4308



74.8435, 78.7412, 85.7492



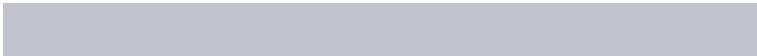
12.6291, 13.2868, 14.4694

Same Dimension

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



29.9158, 31.1481, 36.3342



52.3440, 54.2988, 64.8486



30.4603, 31.4283, 36.3596



6.7303, 6.9722, 8.3977



4.9433, 1.9782, 26.0285



0.0884, 0.0355, 0.4654

Inverse Universe

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



30.5578, 31.5363, 33.7562



53.8647, 55.2182, 58.7426



30.9888, 33.2286, 34.0592



6.9444, 7.1016, 7.5380



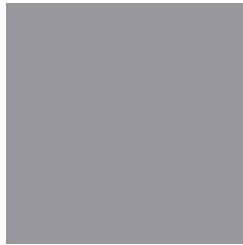
11.2934, 5.8219, 0.5300



0.2020, 0.1041, 0.0096

Previews

White Background



This preview shows how the XYZ color 29.9149, 31.1468, 36.3335 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 29.9149, 31.1468, 36.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

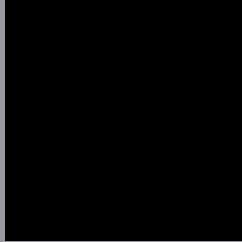
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.9149, 31.1468, 36.3335

Background



This preview shows how black text looks on a background with the XYZ color 29.9149, 31.1468, 36.3335.



This preview shows how white text looks on a background with the XYZ color 29.9149, 31.1468,

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

29.9149, 31.1468, 36.3335

Protanopia

30.2893, 31.3398, 36.3511

Deuteranopia

31.7095, 31.1226, 36.6837



Tritanopia

30.3768, 31.0967, 38.5837

Trichromacy



Original Color

29.9149, 31.1468, 36.3335

Protanomaly

30.1013, 31.2429, 36.3423

Deuteranomaly

31.0595, 31.0194, 36.6981

Tritanomaly

30.2004, 31.0262, 37.6546

Monochromacy



Original Color

29.9149, 31.1468, 36.3335

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.0099, 31.4650, 35.0635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9149, 31.1468, 36.3335 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(151, 151, 157)` looks like.

```
.text, #text, p{  
    color:rgb(151, 151, 157)  
}
```

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(151, 151, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 151, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.9149, 31.1468, 36.3335 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(151, 151, 157) }
```


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

```
.border{ border-color:rgb(151, 151, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 151, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 151, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 151, 157); box-shadow:4px 4px 4px 4px rgb(151, 151, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9149, 31.1468, 36.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 151, 157) }
```

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

```
.background{ background-color: rgb(151,  
151, 157) }
```

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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