

Converting Colors

XYZ(29.4456, 31.1518, 34.1671)

Have a look what the booklet for
XYZ(29.4456, 31.1518, 34.1671)
contains.

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Color

**XYZ(29.4734, 31.2075,
34.1760)**

Conversions

Conversions Part 1

Format	Color
Hex	969898
RGB	150, 152, 152
RGB Percent	59%, 60%, 60%
CMY	0.4118, 0.4039, 0.4039
CMYK	0.01, 0.00, 0.00, 0.40
HSL	180°, 1%, 59%
HSV	180°, 1%, 60%
XYZ	29.4734, 31.2075, 34.1760
YIQ	151.4020, -1.1920, -0.4240

Conversions

Conversions Part 2

Format	Color
R_{YB}	150, 151, 152
Decimal	9869464
CIE Lab	62.68, -0.72, -0.26
CIE LCh	63, 0.765, 199.922
Yxy	31.2075, 0.3107, 0.3290
Android (android.graphics.Color)	4288059544 (0xFF969898)
YUV	151.4020, 0.2948, -1.2296
Hunter-Lab	55.8637, -3.5857, 2.8324

Details

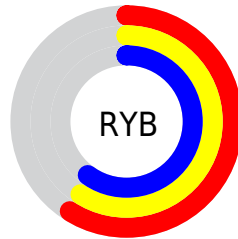
The XYZ color **29.4734, 31.2075, 34.1760** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.3614, 30.6909, 33.2321**, and the grayscale version is **29.5875, 31.1284, 33.8988**.

A 20% lighter version of the original color is **58.1137, 61.4362, 67.1880**, and **12.1482, 12.8996, 14.1615** is the 20% darker color. If you saturate the color by 10%, you get **26.8544, 29.8584, 34.0456**, and if you desaturate by 10%, it is **32.4570, 32.7463, 34.3247**.

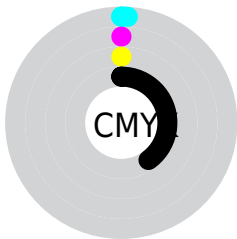
Distribution



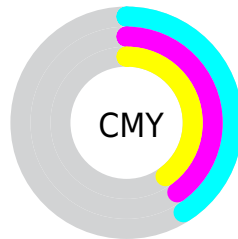
- Red (59%)
- Green (60%)
- Blue (60%)



- Red (59%)
- Yellow (59%)
- Blue (60%)



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



- Cyan (41%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.4734, 31.2075, 34.1760 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 29.4734, 31.2075, 34.1760 by changing the saturation by 10% instead.

■ 29.4734, 31.2075,
34.1760

■ 29.4734, 31.2075,
34.1760

291.3962,
307.4931, 335.7092

■ 19.5853, 20.7569,
22.7504

■ 58.2208, 61.5666,
67.3443

■ 12.2005, 12.9464,
14.2057

■ 77.8107, 82.2439,
89.9240

■ 6.9535, 7.3917,
8.1235

101.3654,
107.0989, 117.0589

■ 3.4791, 3.7082,
4.0852

129.2501,
136.5160, 149.1675

■ 1.4119, 1.5117,
1.6722

161.8301,
170.8796, 186.6683

■ 0.2647, 0.2970,
0.3416

199.4709,

■ 0.0000, 0.0000,

210.5740, 229.9798

0.0000

242.5378,
255.9837, 279.5206

■ 29.4734, 31.2075,
34.1760

■ 29.4734, 31.2075,
34.1760

■ 26.8544, 29.8584,
34.0456

■ 32.4570, 32.7463,
34.3247

■ 24.5836, 28.6880,
33.9309

■ 35.8157, 34.4776,
34.4904

■ 22.6470, 27.6898,
33.8318

■ 39.5629, 36.4091,
34.6742

■ 21.0289, 26.8558,
33.7476

■ 43.7103, 38.5470,
34.8768

■ 19.7123, 26.1773,
33.6775

■ 48.2695, 40.8972,
35.0987

■ 18.6784, 25.6445,
33.6206

■ 53.2512, 43.4652,
35.3403

■ 17.9066, 25.2468,
33.5761

■ 58.1478, 45.9893,
35.5779

■ 17.3733, 24.9720,
33.5426

■ 58.1494, 45.9899,
35.5865

■ 17.0507, 24.8059,
33.5191

■ 58.1510, 45.9906,
35.5950

Harmonies

Analogous

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



29.4645, 31.2075, 33.8791



29.4734, 31.2075, 34.1760



29.5327, 31.2075, 34.4216

Triad

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



29.4734, 31.2075, 34.1760



29.8157, 31.2075, 34.3513



29.6969, 31.2075, 33.4166

Complementary

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



29.4734, 31.2075, 34.1760



29.3614, 30.6909, 33.2321

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.



29.7913, 31.2075, 33.5415



29.4734, 31.2075, 34.1760



29.8599, 31.2075, 34.0804

Square

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



29.4734, 31.2075, 34.1760



29.7303, 31.2075, 34.5232



29.8510, 31.2075, 33.7841



29.5934, 31.2075, 33.4418

Rectangle

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



29.4734, 31.2075, 34.1760



29.5929, 31.2075, 34.5227



29.8510, 31.2075, 33.7841



29.7308, 31.2075, 33.4424

Sweetspot

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



29.4743, 31.2088, 34.1767



52.6788, 55.4222, 60.3547



29.3179, 31.1470, 33.3213



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.



29.4743, 31.2088, 34.1767



51.6676, 54.9010, 60.3044



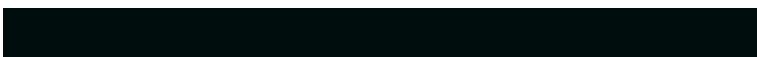
29.3180, 30.8960, 34.1256



6.8402, 7.2615, 7.9697



14.1532, 20.7247, 28.0913



0.2117, 0.3099, 0.4205

Inverse Universe

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



29.3614, 30.6909, 33.2321



51.3607, 53.4928, 57.7364



29.5163, 31.0010, 33.2827



6.8035, 7.0928, 7.6620



10.8584, 5.5976, 0.5134



0.1624, 0.0837, 0.0081

Previews

White Background



This preview shows how the XYZ color 29.4734, 31.2075, 34.1760 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 29.4734, 31.2075, 34.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

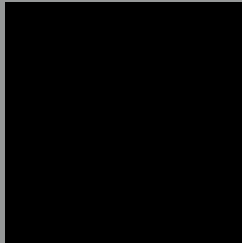
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

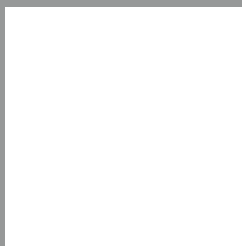
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.4734, 31.2075, 34.1760

Background



This preview shows how black text looks on a background with the XYZ color 29.4734, 31.2075, 34.1760.



This preview shows how white text looks on a background with the XYZ color 29.4734, 31.2075,

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

29.4734, 31.2075, 34.1760

Protanopia

29.9789, 31.2376, 33.7276

Deuteranopia

31.7005, 31.1667, 34.4820



Tritanopia

30.3768, 31.0967, 38.5837

Trichromacy



Original Color

29.4734, 31.2075, 34.1760

Protanomaly

29.7894, 31.1399, 33.7187

Deuteranomaly

30.9944, 31.2684, 34.5388

Tritanomaly

30.0007, 31.1811, 36.7851

Monochromacy



Original Color

29.4734, 31.2075, 34.1760

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 29.4734, 31.2075, 34.1760 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(150, 152, 152)` looks like.

```
.text, #text, p{  
    color:rgb(150, 152, 152)  
}
```

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(150, 152, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 152, 152) }
```

Border

The CSS property to change the border of an element to XYZ 29.4734, 31.2075, 34.1760 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(150, 152, 152) }
```

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

```
.border{ border-color:rgb(150, 152, 152) }
```

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

Here you see how a box with a 4 pixel rgb(150, 152, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 152, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 152, 152);  
box-shadow:4px 4px 4px 4px rgb(150, 152,  
152) }
```


Background

The CSS property to change the background color of an element to XYZ 29.4734, 31.2075, 34.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 152, 152) }
```

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

```
.background{ background-color: rgb(150,  
152, 152) }
```

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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