

Converting Colors

XYZ(31.5396, 29.9311, 34.7536)

Have a look what the booklet for
XYZ(31.5396, 29.9311, 34.7536)
contains.

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Color

**XYZ(31.4421, 29.8946,
34.6849)**

Conversions

Conversions Part 1

Format	Color
Hex	A78E9A
RGB	167, 142, 154
RGB Percent	65%, 56%, 60%
CMY	0.3451, 0.4431, 0.3961
CMYK	0.00, 0.15, 0.08, 0.35
HSL	331°, 12%, 61%
HSV	331°, 15%, 65%
XYZ	31.4421, 29.8946, 34.6849
YIQ	150.8430, 11.0480, 9.0320

Conversions

Conversions Part 2

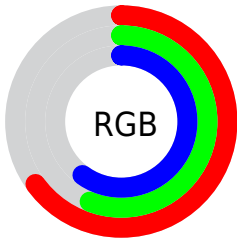
Format	Color
RYB	167, 142, 154
Decimal	10981018
CIELab	61.56, 11.48, -2.86
CIELCh	62, 11.830, 346.000
Yxy	29.8946, 0.3274, 0.3113
Android (android.graphics.Color)	4289171098 (0xFFA78E9A)
YUV	150.8430, 1.5564, 14.1697
Hunter-Lab	54.6760, 6.9658, 0.6612

Details

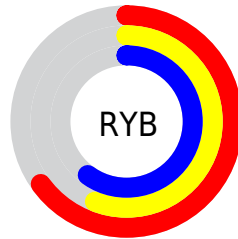
The XYZ color **31.4421, 29.8946, 34.6849** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8916, 35.7556, 36.2855**, and the grayscale version is **29.3393, 30.8672, 33.6144**.

A 20% lighter version of the original color is **61.2493, 59.5635, 67.9432**, and **13.3456, 12.2784, 14.4985** is the 20% darker color. If you saturate the color by 10%, you get **28.4439, 25.0140, 30.2450**, and if you desaturate by 10%, it is **34.8666, 35.5433, 39.5259**.

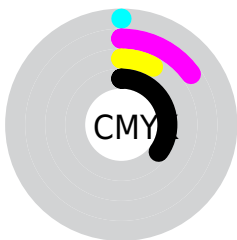
Distribution



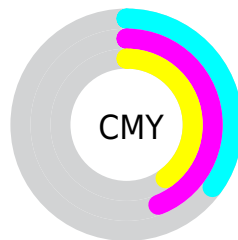
- Red (65%)
- Green (56%)
- Blue (60%)



- Red (65%)
- Yellow (56%)
- Blue (60%)



- Cyan (0%)
- Magenta (15%)
- Yellow (8%)
- Black (35%)



- Cyan (35%)
- Magenta (44%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4421, 29.8946, 34.6849 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 31.4421, 29.8946, 34.6849 by changing the saturation by 10% instead.


 31.4421, 29.8946,
34.6849


 31.4421, 29.8946,
34.6849


300.3606,
301.4129, 338.0372


 21.0892, 19.7586,
23.1386

 61.3066, 59.4955,
68.1434

 13.3021, 12.2197,
14.4897


 81.5488, 79.7291,
90.8926

 7.7153, 6.8935,
8.3194


 105.8183,
104.0974, 118.2134

 3.9636, 3.3956,
4.2093

134.4803,
132.9848, 150.5240

 1.6816, 1.3416,
1.7409

167.9001,
166.7756, 188.2432

 0.4447, 0.1731,
0.3885

206.4432,

 0.0000, 0.0000,

205.8543, 231.7895

0.0000

250.4749,
250.6053, 281.5813

■ 31.4421, 29.8946,
34.6849

■ 31.4421, 29.8946,
34.6849

■ 28.4439, 25.0140,
30.2450

■ 34.8666, 35.5433,
39.5259

■ 25.8519, 20.8641,
26.1929

■ 38.7314, 41.9876,
44.7769

■ 23.6481, 17.4103,
22.5175

■ 43.0530, 49.2583,
50.4487

■ 21.8119, 14.6136,
19.2060

■ 47.8463, 57.3835,
56.5514

■ 20.3210, 12.4311,
16.2451

■ 53.1253, 66.3900,
63.0944

■ 19.1504, 10.8147,
13.6200

■ 58.9037, 76.3034,
70.0870

■ 18.2713, 9.7092,
11.3147

■ 63.9362, 84.6314,
77.1188

■ 17.6484, 9.0463,
9.3107

■ 65.0809, 85.0893,
83.1468

■ 17.3901, 8.7970,
8.3999

■ 66.2857, 85.5713,
89.4915

Harmonies

Analogous

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



30.6392, 29.8946, 38.9269



31.4421, 29.8946, 34.6849



31.4130, 29.8946, 30.2268

Triad

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



31.4421, 29.8946, 34.6849



27.5906, 29.8946, 24.9328



26.3698, 29.8946, 39.1676

Complementary

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



31.4421, 29.8946, 34.6849



30.8916, 35.7556, 36.2855

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.



25.6121, 29.8946, 34.9896



31.4421, 29.8946, 34.6849



26.2990, 29.8946, 26.9108

Square

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



31.4421, 29.8946, 34.6849



29.1499, 29.8946, 24.8675



25.5867, 29.8946, 30.5048



27.6905, 29.8946, 41.6715

Rectangle

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



31.4421, 29.8946, 34.6849



30.9246, 29.8946, 27.7323



25.5867, 29.8946, 30.5048



26.0430, 29.8946, 37.8960

Sweetspot

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



31.4430, 29.8959, 34.6855



63.0305, 64.6298, 71.5996



30.1508, 29.0978, 40.5870



13.9974, 14.2843, 15.8739



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.4430, 29.8959, 34.6855



54.4250, 50.4554, 59.3697



30.5550, 29.6401, 29.7035



7.6754, 7.6000, 8.6081



13.3314, 6.7413, 6.5569



0.3503, 0.1744, 0.2963

Inverse Universe

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



31.4430, 29.8959, 34.6855



54.4250, 50.4554, 59.3697



31.8738, 36.0265, 41.8335



7.6754, 7.6000, 8.6081



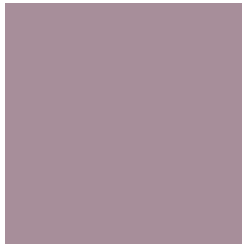
13.3314, 6.7413, 6.5569



0.3503, 0.1744, 0.2963

Previews

White Background



This preview shows how the XYZ color 31.4421, 29.8946, 34.6849 looks on a white background.

Color Contrast Check

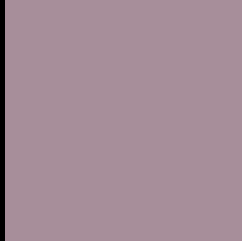
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4421, 29.8946, 34.6849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

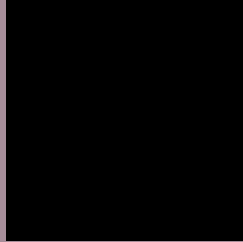
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4421, 29.8946, 34.6849

Background



This preview shows how black text looks on a background with the XYZ color 31.4421, 29.8946, 34.6849.



This preview shows how white text looks on a background with the XYZ color 31.4421, 29.8946,

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

31.4421, 29.8946, 34.6849

Protanopia

29.1559, 30.0380, 36.6090

Deuteranopia

30.5039, 29.8567, 34.7270



Tritanopia

31.3591, 29.8614, 34.2480

Trichromacy



Original Color

31.4421, 29.8946, 34.6849

Protanomaly

30.0750, 30.0600, 36.1153

Deuteranomaly

30.7595, 29.7645, 34.6958

Tritanomaly

31.3591, 29.8614, 34.2480

Monochromacy



Original Color

31.4421, 29.8946, 34.6849

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.1620, 30.6149, 34.0253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4421, 29.8946, 34.6849 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(167, 142, 154)` looks like.

```
.text, #text, p{  
    color:rgb(167, 142, 154)  
}
```

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(167, 142, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 142, 154) }
```

Border

The CSS property to change the border of an element to XYZ 31.4421, 29.8946, 34.6849 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(167, 142, 154) }
```


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

```
.border{ border-color:rgb(167, 142, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 142, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 142, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 142, 154);  
box-shadow:4px 4px 4px 4px rgb(167, 142,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4421, 29.8946, 34.6849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 142, 154) }
```

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

```
.background{ background-color: rgb(167,  
142, 154) }
```

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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