

Converting Colors

XYZ(31.5131, 31.1099, 36.8413)

Have a look what the booklet for
XYZ(31.5131, 31.1099, 36.8413)
contains.

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Color

**XYZ(31.5056, 31.0174,
36.6742)**

Conversions

Conversions Part 1

Format	Color
Hex	A2939E
RGB	162, 147, 158
RGB Percent	64%, 58%, 62%
CMY	0.3647, 0.4235, 0.3804
CMYK	0.00, 0.09, 0.02, 0.36
HSL	316°, 7%, 61%
HSV	316°, 9%, 64%
XYZ	31.5056, 31.0174, 36.6742
YIQ	152.7390, 5.4090, 6.6010

Conversions

Conversions Part 2

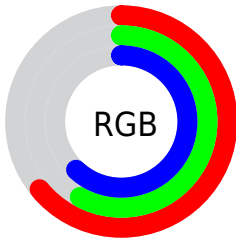
Format	Color
R_{YB}	162, 147, 158
Decimal	10654622
CIE Lab	62.52, 7.58, -3.77
CIE LCh	63, 8.463, 333.539
Yxy	31.0174, 0.3176, 0.3127
Android (android.graphics.Color)	4288844702 (0xFFA2939E)
YUV	152.7390, 2.5937, 8.1219
Hunter-Lab	55.6933, 3.5140, -0.0574

Details

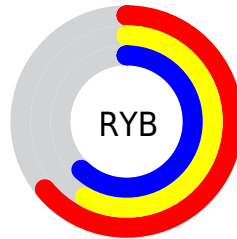
The XYZ color **31.5056, 31.0174, 36.6742** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.5401, 34.2790, 34.2867**, and the grayscale version is **30.1530, 31.7233, 34.5467**.

A 20% lighter version of the original color is **61.5122, 61.3291, 71.5464**, and **13.2671, 12.7423, 15.6702** is the 20% darker color. If you saturate the color by 10%, you get **28.7966, 26.1838, 33.9685**, and if you desaturate by 10%, it is **34.5842, 36.5684, 39.5683**.

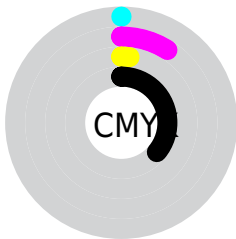
Distribution



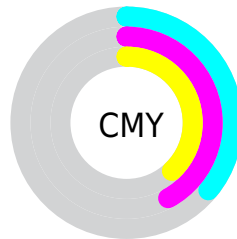
- Red (64%)
- Green (58%)
- Blue (62%)



- Red (64%)
- Yellow (58%)
- Blue (62%)



- Cyan (0%)
- Magenta (9%)
- Yellow (2%)
- Black (36%)



- Cyan (36%)
- Magenta (42%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5056, 31.0174, 36.6742 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 31.5056, 31.0174, 36.6742 by changing the saturation by 10% instead.

■ 31.5056, 31.0174,
36.6742

■ 31.5056, 31.0174,
36.6742

300.6464,
306.6185, 347.0240

■ 21.1379, 20.6121,
24.6615

■ 61.4057, 61.2675,
71.2521

■ 13.3378, 12.8408,
15.6083

■ 81.6687, 81.8810,
94.6545

■ 7.7402, 7.3190,
9.0961

105.9609,
106.6661, 122.6905

■ 3.9796, 3.6624,
4.7062

134.6475,
136.0071, 155.7786

■ 1.6906, 1.4866,
2.0203

168.0941,
170.2885, 194.3375

■ 0.4504, 0.2792,
0.5677

206.6658,

■ 0.0000, 0.0000,

209.8946, 238.7857

0.0000

250.7281,
255.2098, 289.5417

■ 31.5056, 31.0174,
36.6742

■ 31.5056, 31.0174,
36.6742

■ 28.7966, 26.1838,
33.9685

■ 34.5842, 36.5684,
39.5683

■ 26.4397, 22.0341,
31.4438

■ 38.0438, 42.8607,
42.6543

■ 24.4198, 18.5380,
29.0946

■ 41.8986, 49.9219,
45.9377

■ 22.7199, 15.6615,
26.9145

■ 46.1610, 57.7770,
49.4236

■ 21.3211, 13.3672,
24.8967

■ 50.8433, 66.4500,
53.1164

■ 20.2027, 11.6139,
23.0336

■ 55.9569, 75.9636,
57.0206

■ 19.3414, 10.3550,
21.3166

■ 59.7645, 82.8431,
60.5578

■ 18.7096, 9.5359,
19.7358

■ 60.2382, 83.0326,
63.0525

■ 18.2501, 9.0422,
18.2714

■ 60.7260, 83.2277,
65.6214

Harmonies

Analogous

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



30.7199, 31.0174, 39.3317



31.5056, 31.0174, 36.6742



31.7440, 31.0174, 33.3832

Triad

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



31.5056, 31.0174, 36.6742



29.3448, 31.0174, 27.8373



27.6759, 31.0174, 37.3943

Complementary

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



31.5056, 31.0174, 36.6742



30.5401, 34.2790, 34.2867

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.



27.3284, 31.0174, 34.1652



31.5056, 31.0174, 36.6742



28.2760, 31.0174, 28.7638

Square

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



31.5056, 31.0174, 36.6742



30.4776, 31.0174, 28.4140



27.5453, 31.0174, 31.0284



28.5066, 31.0174, 39.7660

Rectangle

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



31.5056, 31.0174, 36.6742



31.5554, 31.0174, 31.3058



27.5453, 31.0174, 31.0284



27.4997, 31.0174, 36.3659

Sweetspot

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



31.5065, 31.0187, 36.6749



60.5813, 62.4026, 69.7962



29.7190, 30.0568, 38.4182



13.5067, 13.8357, 15.5827



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.5065, 31.0187, 36.6749



56.1853, 54.4982, 65.5945



30.8805, 30.7683, 33.3783



7.2833, 7.1698, 8.4782



14.3707, 7.1043, 14.4085



0.3199, 0.1564, 0.3971

Inverse Universe

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



31.5065, 31.0187, 36.6749



56.1853, 54.4982, 65.5945



31.1687, 34.5305, 37.5970



7.2833, 7.1698, 8.4782



14.3707, 7.1043, 14.4085



0.3199, 0.1564, 0.3971

Previews

White Background



This preview shows how the XYZ color 31.5056, 31.0174, 36.6742 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 31.5056, 31.0174, 36.6742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

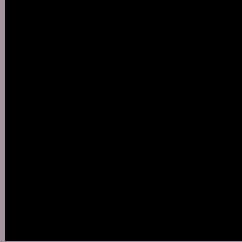
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5056, 31.0174, 36.6742

Background



This preview shows how black text looks on a background with the XYZ color 31.5056, 31.0174, 36.6742.



This preview shows how white text looks on a background with the XYZ color 31.5056, 31.0174,

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

31.5056, 31.0174, 36.6742

Protanopia

30.0140, 30.9301, 37.6459

Deuteranopia

31.7095, 31.1226, 36.6837



Tritanopia

31.5056, 31.0174, 36.6742

Trichromacy



Original Color

31.5056, 31.0174, 36.6742

Protanomaly

30.5230, 30.9667, 37.1693

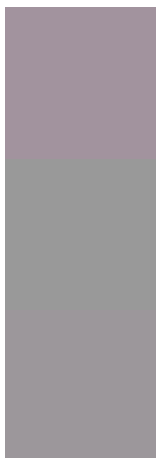
Deuteranomaly

31.7095, 31.1226, 36.6837

Tritanomaly

31.5056, 31.0174, 36.6742

Monochromacy



Original Color

31.5056, 31.0174, 36.6742

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6933, 31.5677, 35.4858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5056, 31.0174, 36.6742 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(162, 147, 158)` looks like.

```
.text, #text, p{  
    color:rgb(162, 147, 158)  
}
```

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(162, 147, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 147, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.5056, 31.0174, 36.6742 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(162, 147, 158) }
```


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

```
.border{ border-color:rgb(162, 147, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 147, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 147, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 147, 158);  
box-shadow:4px 4px 4px 4px rgb(162, 147,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5056, 31.0174, 36.6742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 147, 158) }
```

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

```
.background{ background-color: rgb(162,  
147, 158) }
```

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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