

Converting Colors

XYZ(31.6617, 30.5369, 31.0135)

Have a look what the booklet for
XYZ(31.6617, 30.5369, 31.0135)
contains.

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Color

**XYZ(31.6617, 30.5369,
31.0135)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9091
RGB	170, 144, 145
RGB Percent	67%, 56%, 57%
CMY	0.3333, 0.4353, 0.4314
CMYK	0.00, 0.15, 0.15, 0.33
HSL	358°, 13%, 62%
HSV	358°, 15%, 67%
XYZ	31.6617, 30.5369, 31.0135
YIQ	151.8880, 15.1750, 5.8230

Conversions

Conversions Part 2

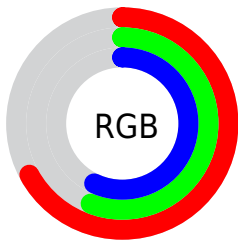
Format	Color
R_{YB}	170, 144, 145
Decimal	11178129
CIE _{Lab}	62.11, 9.90, 3.09
CIE _{LCh}	62, 10.375, 17.324
Yxy	30.5369, 0.3397, 0.3276
Android (android.graphics.Color)	4289368209 (0xFFAA9091)
YUV	151.8880, -3.3958, 15.8842
Hunter-Lab	55.2602, 5.5674, 5.4070

Details

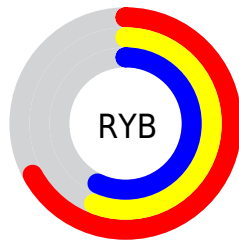
The XYZ color **31.6617, 30.5369, 31.0135** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.0390, 37.5442, 43.0435**, and the grayscale version is **29.8070, 31.3593, 34.1503**.

A 20% lighter version of the original color is **61.8669, 60.6804, 62.4846**, and **13.5395, 12.6832, 12.5610** is the 20% darker color. If you saturate the color by 10%, you get **28.1070, 25.3017, 24.0504**, and if you desaturate by 10%, it is **35.7872, 36.6229, 39.0626**.

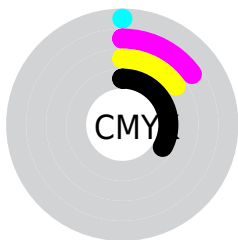
Distribution



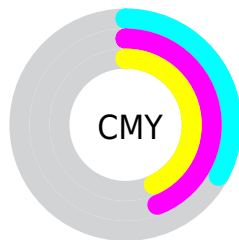
- Red (67%)
- Green (56%)
- Blue (57%)



- Red (67%)
- Yellow (56%)
- Blue (57%)



- Cyan (0%)
- Magenta (15%)
- Yellow (15%)
- Black (33%)



- Cyan (33%)
- Magenta (44%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6617, 30.5369, 31.0135 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 31.6617, 30.5369, 31.0135 by changing the saturation by 10% instead.

■ 31.6617, 30.5369,
31.0135

■ 31.6617, 30.5369,
31.0135

301.3480,
304.3991, 320.9536

■ 21.2575, 20.2465,
20.3506

■ 61.6491, 60.5102,
62.3412

■ 13.4259, 12.5743,
12.4635

■ 81.9631, 80.9619,
83.8430

■ 7.8015, 7.1361,
6.9338

106.3111,
105.5695, 109.7948

■ 4.0189, 3.5474,
3.3429

135.0584,
134.7173, 140.6152

■ 1.7128, 1.4237,
1.2723

168.5704,
168.7898, 176.7228

■ 0.4643, 0.2341,
0.0389

207.2124,

■ 0.0000, 0.0000,

208.1713, 218.5360

0.0000

251.3498,
253.2463, 266.4735

■ 31.6617, 30.5369,
31.0135

■ 31.6617, 30.5369,
31.0135

■ 28.1070, 25.3017,
24.0504

■ 35.7872, 36.6229,
39.0626

■ 25.0957, 20.8755,
18.1250

■ 40.5045, 43.5908,
48.2394

■ 22.6018, 17.2192,
13.1882

■ 45.8366, 51.4754,
58.5857

■ 20.5960, 14.2890,
9.1863

■ 51.8043, 60.3081,
70.1405

■ 19.0464, 12.0362,
6.0602

■ 58.4278, 70.1191,
82.9413

■ 17.9172, 10.4069,
3.7444

■ 65.7262, 80.9370,
97.0236

■ 17.1671, 9.3382,
2.1640

■ 70.3878, 87.2861,
107.7458

■ 16.7454, 8.7522,
1.2299

■ 16.6135, 8.5604,
0.9639

Harmonies

Analogous

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



31.7214, 30.5369, 34.9642



31.6617, 30.5369, 31.0135



30.8813, 30.5369, 27.9143

Triad

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



31.6617, 30.5369, 31.0135



27.0963, 30.5369, 28.3083



28.4397, 30.5369, 41.3234

Complementary

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



31.6617, 30.5369, 31.0135



33.0390, 37.5442, 43.0435

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.



27.2435, 30.5369, 39.2246



31.6617, 30.5369, 31.0135



26.4848, 30.5369, 31.5918

Square

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



31.6617, 30.5369, 31.0135



28.2328, 30.5369, 26.4405



26.5378, 30.5369, 35.5905



29.8307, 30.5369, 41.1372

Rectangle

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



31.6617, 30.5369, 31.0135



30.0710, 30.5369, 26.6517



26.5378, 30.5369, 35.5905



28.0023, 30.5369, 40.8551

Sweetspot

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



31.6625, 30.5383, 31.0141



65.0932, 66.6864, 71.1893



33.5278, 31.2521, 42.2958



14.3942, 14.6916, 15.6382



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.6625, 30.5383, 31.0141



55.3832, 52.3654, 52.2333



33.4507, 34.2371, 31.2326



7.5423, 7.5468, 7.9072



12.2257, 6.2990, 0.7343



0.3010, 0.1547, 0.0365

Inverse Universe

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



31.6625, 30.5383, 31.0141



55.3832, 52.3654, 52.2333



31.0366, 33.3890, 42.8396



7.5423, 7.5468, 7.9072



12.2257, 6.2990, 0.7343



0.3010, 0.1547, 0.0365

Previews

White Background



This preview shows how the XYZ color 31.6617, 30.5369, 31.0135 looks on a white background.

Color Contrast Check

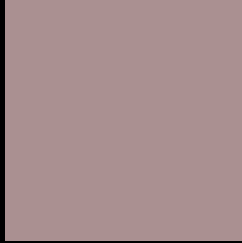
Large Text (above 18pt) WCAG AA × Fail

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 31.6617, 30.5369, 31.0135 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 31.6617, 30.5369, 31.0135

Background



This preview shows how black text looks on a background with the XYZ color 31.6617, 30.5369, 31.0135.



This preview shows how white text looks on a background with the XYZ color 31.6617, 30.5369,

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

31.6617, 30.5369, 31.0135

Protanopia

29.3885, 30.7231, 32.3982

Deuteranopia

31.1726, 30.5106, 31.0342



Tritanopia

32.4498, 30.6359, 34.7749

Trichromacy



Original Color

31.6617, 30.5369, 31.0135

Protanomaly

30.1544, 30.6573, 31.9319

Deuteranomaly

31.3847, 30.6200, 31.0442

Tritanomaly

32.2030, 30.5372, 33.4751

Monochromacy



Original Color

31.6617, 30.5369, 31.0135

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.4703, 31.0357, 32.8183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6617, 30.5369, 31.0135 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(170, 144, 145)` looks like.

```
.text, #text, p{  
    color:rgb(170, 144, 145)  
}
```

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(170, 144, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 144, 145) }
```

Border

The CSS property to change the border of an element to XYZ 31.6617, 30.5369, 31.0135 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(170, 144, 145) }
```


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

```
.border{ border-color:rgb(170, 144, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 144, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 144, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 144, 145);  
box-shadow:4px 4px 4px 4px rgb(170, 144,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6617, 30.5369, 31.0135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 144, 145) }
```

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

```
.background{ background-color: rgb(170,  
144, 145) }
```

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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