

Converting Colors

XYZ(31.3439, 31.6548, 30.0495)

Have a look what the booklet for
XYZ(31.3439, 31.6548, 30.0495)
contains.

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Color

**XYZ(31.3558, 31.5549,
30.0293)**

Conversions

Conversions Part 1

Format	Color
Hex	A6958E
RGB	166, 149, 142
RGB Percent	65%, 58%, 56%
CMY	0.3490, 0.4157, 0.4431
CMYK	0.00, 0.10, 0.14, 0.35
HSL	18°, 12%, 60%
HSV	18°, 14%, 65%
XYZ	31.3558, 31.5549, 30.0293
YIQ	153.2850, 12.3790, 1.4270

Conversions

Conversions Part 2

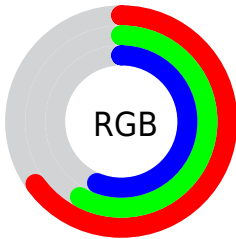
Format	Color
R _Y B	166, 152, 142
Decimal	10917262
CIE Lab	62.97, 5.08, 5.98
CIE LCh	63, 7.846, 49.617
Yxy	31.5549, 0.3374, 0.3395
Android (android.graphics.Color)	4289107342 (0xFFA6958E)
YUV	153.2850, -5.5635, 11.1511
Hunter-Lab	56.1737, 1.3334, 7.6264

Details

The XYZ color **31.3558, 31.5549, 30.0293** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.4362, 33.2994, 40.8999**, and the grayscale version is **30.4228, 32.0072, 34.8558**.

A 20% lighter version of the original color is **61.1385, 62.0695, 60.9828**, and **13.2389, 13.0855, 11.9532** is the 20% darker color. If you saturate the color by 10%, you get **28.4343, 27.5599, 23.3576**, and if you desaturate by 10%, it is **34.6524, 36.0025, 37.7426**.

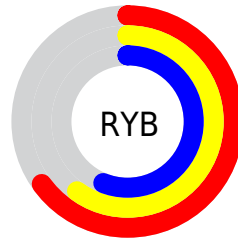
Distribution



Red (65%)

Green (58%)

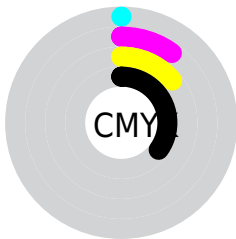
Blue (56%)



Red (65%)

Yellow (60%)

Blue (56%)

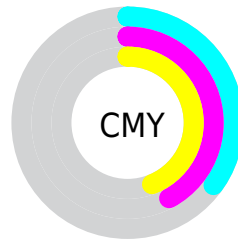


Cyan (0%)

Magenta (10%)

Yellow (14%)

Black (35%)



Cyan (35%)

Magenta (42%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3558, 31.5549, 30.0293 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 31.3558, 31.5549, 30.0293 by changing the saturation by 10% instead.

■ 31.3558, 31.5549,
30.0293

■ 31.3558, 31.5549,
30.0293

299.9718,
309.0867, 316.2526

■ 21.0231, 21.0218,
19.6086

■ 61.1718, 62.1127,
60.7701

■ 13.2534, 13.1399,
11.9296

■ 81.3859, 82.9061,
81.9272

■ 7.6815, 7.5250,
6.5738

■ 105.6244,
107.8883, 107.5002

■ 3.9419, 3.7925,
3.1226

134.2528,
137.4439, 137.9077

■ 1.6693, 1.5582,
1.1576

167.6364,
171.9571, 173.5681

■ 0.4370, 0.3292,
0.0000

206.1405,

■ 0.0000, 0.0000,

211.8124, 214.9000

0.0000

250.1305,
257.3941, 262.3220

■ 31.3558, 31.5549,
30.0293

■ 31.3558, 31.5549,
30.0293

■ 28.4343, 27.5599,
23.3576

■ 34.6524, 36.0025,
37.7426

■ 25.8717, 23.9990,
17.6806

■ 38.3346, 40.9121,
46.5376

■ 23.6541, 20.8584,
12.9507

■ 42.4156, 46.2983,
56.4548

■ 21.7660, 18.1221,
9.1157

■ 46.9070, 52.1737,
67.5320

■ 20.1905, 15.7729,
6.1181

■ 51.8202, 58.5502,
79.8053

■ 18.9088, 13.7926,
3.8939

■ 57.1660, 65.4396,
93.3090

■ 17.9003, 12.1608,
2.3695

■ 62.4351, 72.6452,
105.3390

■ 17.1405, 10.8553,
1.4561

■ 65.8424, 79.4600,
106.4748

■ 16.8010, 10.2571,
1.0943

■ 69.4751, 86.7253,
107.6857

Harmonies

Analogous

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



31.9882, 31.5549, 32.4021



31.3558, 31.5549, 30.0293



30.3673, 31.5549, 28.8406

Triad

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



31.3558, 31.5549, 30.0293



27.9980, 31.5549, 33.2986



30.6937, 31.5549, 40.2618

Complementary

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



31.3558, 31.5549, 30.0293



30.4362, 33.2994, 40.8999

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.



29.6198, 31.5549, 40.5375



31.3558, 31.5549, 30.0293



28.0806, 31.5549, 36.3909

Square

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



31.3558, 31.5549, 30.0293



28.4398, 31.5549, 30.6517



28.6683, 31.5549, 39.0837



31.5996, 31.5549, 38.3515

Rectangle

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



31.3558, 31.5549, 30.0293



29.6468, 31.5549, 28.8283



28.6683, 31.5549, 39.0837



30.3398, 31.5549, 40.5529

Sweetspot

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



31.3567, 31.5563, 30.0300



63.1335, 65.6664, 69.0735



31.6746, 29.9636, 37.0064



14.0242, 14.5556, 15.2117



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.



31.3567, 31.5563, 30.0300



55.3249, 55.1159, 50.8505



33.3186, 35.4802, 30.6839



7.7029, 7.8858, 7.9054



13.0643, 8.0258, 0.8606



0.3613, 0.2822, 0.0354

Inverse Universe

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



30.4362, 33.2994, 40.8999



53.3624, 58.8299, 74.0181



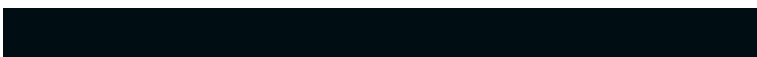
28.5035, 29.4341, 40.2556



7.5599, 8.1567, 9.5943



10.3628, 12.1857, 29.7814



0.2930, 0.3782, 0.7382

Previews

White Background



This preview shows how the XYZ color 31.3558, 31.5549, 30.0293 looks on a white background.

Color Contrast Check

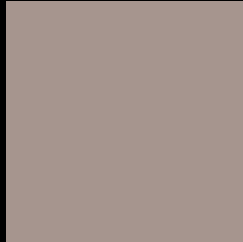
Large Text (above 18pt) WCAG AA × Fail

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 31.3558, 31.5549, 30.0293 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 31.3558, 31.5549, 30.0293

Background



This preview shows how black text looks on a background with the XYZ color 31.3558, 31.5549, 30.0293.



This preview shows how white text looks on a background with the XYZ color 31.3558, 31.5549,

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

31.3558, 31.5549, 30.0293

Protanopia

30.1669, 31.6382, 30.9024

Deuteranopia

32.1108, 31.4784, 29.9747



Tritanopia

32.7537, 31.6609, 36.7326

Trichromacy



Original Color

31.3558, 31.5549, 30.0293

Protanomaly

30.5217, 31.5900, 30.4754

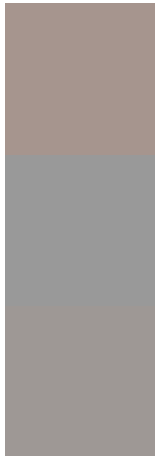
Deuteranomaly

31.8346, 31.5678, 30.0065

Tritanomaly

32.1938, 31.6623, 34.1204

Monochromacy



Original Color

31.3558, 31.5549, 30.0293

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7536, 31.8955, 32.9693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3558, 31.5549, 30.0293 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(166, 149, 142)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 142)  
}
```

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(166, 149, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.3558, 31.5549, 30.0293 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(166, 149, 142) }
```


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

```
.border{ border-color:rgb(166, 149, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 149, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 149, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 149, 142);  
box-shadow:4px 4px 4px 4px rgb(166, 149,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3558, 31.5549, 30.0293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 142) }
```

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

```
.background{ background-color: rgb(166,  
149, 142) }
```

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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