

Converting Colors

XYZ(31.0575, 30.1955, 35.6727)

Have a look what the booklet for
XYZ(31.0575, 30.1955, 35.6727)
contains.

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Color

**XYZ(31.0783, 30.1333,
35.6308)**

Conversions

Conversions Part 1

Format	Color
Hex	A3909C
RGB	163, 144, 156
RGB Percent	64%, 56%, 61%
CMY	0.3608, 0.4353, 0.3882
CMYK	0.00, 0.12, 0.04, 0.36
HSL	322°, 9%, 60%
HSV	322°, 12%, 64%
XYZ	31.0783, 30.1333, 35.6308
YIQ	151.0490, 7.4720, 7.7600

Conversions

Conversions Part 2

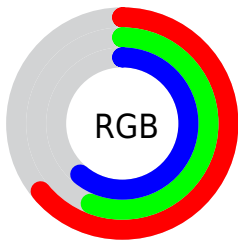
Format	Color
RYB	163, 144, 156
Decimal	10719388
CIELab	61.77, 9.25, -3.74
CIElCh	62, 9.978, 338.003
Yxy	30.1333, 0.3209, 0.3112
Android (android.graphics.Color)	4288909468 (0xFFA3909C)
YUV	151.0490, 2.4408, 10.4810
Hunter-Lab	54.8938, 4.9942, -0.0586

Details

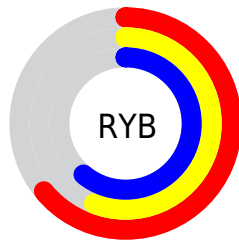
The XYZ color **31.0783, 30.1333, 35.6308** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.1859, 34.3590, 34.3208**, and the grayscale version is **29.4247, 30.9571, 33.7123**.

A 20% lighter version of the original color is **60.7404, 59.9467, 69.3423**, and **13.1081, 12.4048, 15.0681** is the 20% darker color. If you saturate the color by 10%, you get **28.2897, 25.3496, 32.2539**, and if you desaturate by 10%, it is **34.2503, 35.6426, 39.2604**.

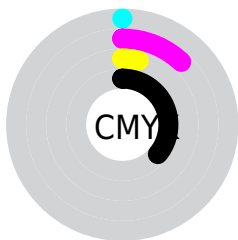
Distribution



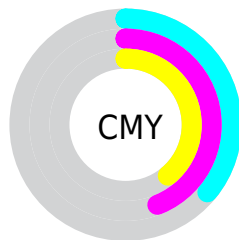
- Red (64%)
- Green (56%)
- Blue (61%)



- Red (64%)
- Yellow (56%)
- Blue (61%)



- Cyan (0%)
- Magenta (12%)
- Yellow (4%)
- Black (36%)



- Cyan (36%)
- Magenta (44%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0783, 30.1333, 35.6308 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 31.0783, 30.1333, 35.6308 by changing the saturation by 10% instead.

■ 31.0783, 30.1333,
35.6308

■ 31.0783, 30.1333,
35.6308

298.7193,
302.5253, 342.3324

■ 20.8106, 19.9398,
23.8618

■ 60.7383, 59.8729,
69.6244

■ 13.0973, 12.3513,
15.0199

■ 80.8614, 80.1878,
92.6861

■ 7.5730, 6.9834,
8.6865

105.0002,
104.6453, 120.3491

■ 3.8725, 3.4517,
4.4433

133.5203,
133.6298, 153.0319

■ 1.6302, 1.3719,
1.8715

166.7868,
167.5256, 191.1532

■ 0.4120, 0.1958,
0.4745

205.1653,

■ 0.0000, 0.0000,

206.7172, 235.1313

0.0000

249.0210,
251.5890, 285.3848

■ 31.0783, 30.1333,
35.6308

■ 31.0783, 30.1333,
35.6308

■ 28.2897, 25.3496,
32.2539

■ 34.2503, 35.6426,
39.2604

■ 25.8662, 21.2570,
29.1206

■ 37.8177, 41.9023,
43.1472

■ 23.7922, 17.8242,
26.2244

■ 41.7952, 48.9409,
47.2983

■ 22.0495, 15.0155,
23.5573

■ 46.1960, 56.7842,
51.7197

■ 20.6186, 12.7924,
21.1108

■ 51.0327, 65.4567,
56.4172

■ 19.4774, 11.1117,
18.8758

■ 56.3172, 74.9820,
61.3965

■ 18.6011, 9.9242,
16.8419

■ 61.0628, 83.3860,
66.3302

■ 17.9604, 9.1718,
14.9973

■ 61.7698, 83.6688,
70.0532

■ 17.5496, 8.7647,
13.5825

■ 62.5046, 83.9627,
73.9226

Harmonies

Analogous

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



30.2446, 30.1333, 38.9269



31.0783, 30.1333, 35.6308



31.2489, 30.1333, 31.8008

Triad

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



31.0783, 30.1333, 35.6308



28.2862, 30.1333, 26.0779



26.6723, 30.1333, 37.5298

Complementary

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



31.0783, 30.1333, 35.6308



30.1859, 34.3590, 34.3208

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.



26.1820, 30.1333, 33.8405



31.0783, 30.1333, 35.6308



27.0947, 30.1333, 27.3700

Square

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



31.0783, 30.1333, 35.6308



29.6095, 30.1333, 26.4762



26.3342, 30.1333, 30.1422



27.6935, 30.1333, 40.0811

Rectangle

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



31.0783, 30.1333, 35.6308



30.9589, 30.1333, 29.4896



26.3342, 30.1333, 30.1422



26.4414, 30.1333, 36.3708

Sweetspot

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



31.0792, 30.1346, 35.6314



60.5010, 62.3705, 69.3732



29.3416, 29.1684, 38.7345



13.4841, 13.8266, 15.4637



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.



31.0792, 30.1346, 35.6314



54.2935, 51.6132, 62.1937



30.3085, 29.8263, 31.5731



7.2531, 7.1577, 8.3190



13.6615, 6.8206, 10.6739



0.3087, 0.1520, 0.3380

Inverse Universe

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



31.0792, 30.1346, 35.6314



54.2935, 51.6132, 62.1937



30.9859, 34.6790, 38.5335



7.2531, 7.1577, 8.3190



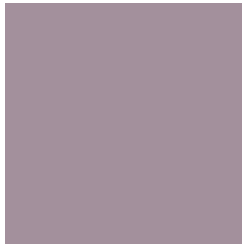
13.6615, 6.8206, 10.6739



0.3087, 0.1520, 0.3380

Previews

White Background



This preview shows how the XYZ color 31.0783, 30.1333, 35.6308 looks on a white background.

Color Contrast Check

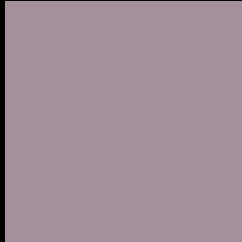
Large Text (above 18pt) WCAG AA × Fail

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 31.0783, 30.1333, 35.6308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

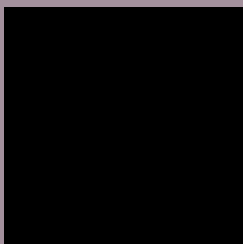
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0783, 30.1333, 35.6308

Background



This preview shows how black text looks on a background with the XYZ color 31.0783, 30.1333, 35.6308.



This preview shows how white text looks on a background with the XYZ color 31.0783, 30.1333,

35.6308.

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

31.0783, 30.1333, 35.6308

Protanopia

29.2423, 30.0726, 37.0642

Deuteranopia

30.8241, 30.2282, 35.6625



Tritanopia

30.9939, 30.0996, 35.1866

Trichromacy



Original Color

31.0783, 30.1333, 35.6308

Protanomaly

29.9317, 30.2061, 36.6005

Deuteranomaly

31.0264, 30.3325, 35.6720

Tritanomaly

30.9939, 30.0996, 35.1866

Monochromacy



Original Color

31.0783, 30.1333, 35.6308

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.8572, 30.4483, 34.4405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0783, 30.1333, 35.6308 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(163, 144, 156)` looks like.

```
.text, #text, p{  
    color:rgb(163, 144, 156)  
}
```

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(163, 144, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 144, 156) }
```

Border

The CSS property to change the border of an element to XYZ 31.0783, 30.1333, 35.6308 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(163, 144, 156) }
```


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

```
.border{ border-color:rgb(163, 144, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 144, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 144, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 144, 156); box-shadow:4px 4px 4px 4px rgb(163, 144, 156) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0783, 30.1333, 35.6308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 144, 156) }
```

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

```
.background{ background-color: rgb(163,  
144, 156) }
```

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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