

Converting Colors

XYZ(31.3051, 30.5582, 35.5958)

Have a look what the booklet for
XYZ(31.3051, 30.5582, 35.5958)
contains.

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Color

**XYZ(31.2304, 30.4376,
35.6815)**

Conversions

Conversions Part 1

Format	Color
Hex	A3919C
RGB	163, 145, 156
RGB Percent	64%, 57%, 61%
CMY	0.3608, 0.4314, 0.3882
CMYK	0.00, 0.11, 0.04, 0.36
HSL	323°, 9%, 60%
HSV	323°, 11%, 64%
XYZ	31.2304, 30.4376, 35.6815
YIQ	151.6360, 7.1970, 7.2370

Conversions

Conversions Part 2

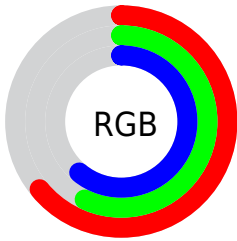
Format	Color
RYB	163, 145, 156
Decimal	10719644
CIELab	62.03, 8.69, -3.35
CIELCh	62, 9.313, 338.898
Yxy	30.4376, 0.3208, 0.3127
Android (android.graphics.Color)	4288909724 (0xFFA3919C)
YUV	151.6360, 2.1515, 9.9662
Hunter-Lab	55.1703, 4.4960, 0.2733

Details

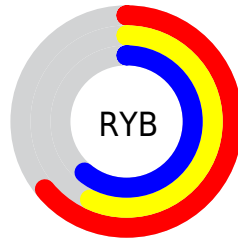
The XYZ color **31.2304, 30.4376, 35.6815** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.4429, 34.4820, 34.7586**, and the grayscale version is **29.6778, 31.2233, 34.0022**.

A 20% lighter version of the original color is **60.9697, 60.4054, 69.4187**, and **13.1976, 12.5838, 15.0979** is the 20% darker color. If you saturate the color by 10%, you get **28.3935, 25.6003, 32.1561**, and if you desaturate by 10%, it is **34.4544, 36.0035, 39.4749**.

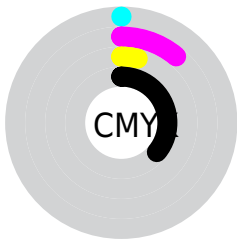
Distribution



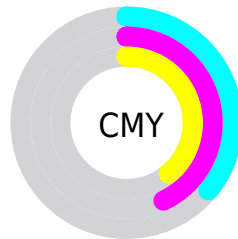
- Red (64%)
- Green (57%)
- Blue (61%)



- Red (64%)
- Yellow (57%)
- Blue (61%)



- Cyan (0%)
- Magenta (11%)
- Yellow (4%)
- Black (36%)



- Cyan (36%)
- Magenta (43%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2304, 30.4376, 35.6815 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 31.2304, 30.4376, 35.6815 by changing the saturation by 10% instead.

■ 31.2304, 30.4376,
35.6815

■ 31.2304, 30.4376,
35.6815

299.4063,
303.9389, 342.5615

■ 20.9270, 20.1710,
23.9006

■ 60.9760, 60.3535,
69.7037

■ 13.1828, 12.5194,
15.0484

■ 81.1490, 80.7716,
92.7820

■ 7.6324, 7.0984,
8.7063

105.3425,
105.3423, 120.4632

■ 3.9105, 3.5237,
4.4559

133.9220,
134.4501, 153.1659

■ 1.6516, 1.4109,
1.8787

167.2527,
168.4792, 191.3085

■ 0.4257, 0.2247,
0.4791

205.7002,

■ 0.0000, 0.0000,

207.8141, 235.3096

0.0000

249.6296,
252.8392, 285.5878

■ 31.2304, 30.4376,
35.6815

■ 31.2304, 30.4376,
35.6815

■ 28.3935, 25.6003,
32.1561

■ 34.4544, 36.0035,
39.4749

■ 25.9256, 21.4572,
28.8895

■ 38.0777, 42.3227,
43.5414

■ 23.8108, 17.9769,
25.8747

■ 42.1148, 49.4235,
47.8882

■ 22.0312, 15.1242,
23.1035

■ 46.5791, 57.3317,
52.5215

■ 20.5671, 12.8605,
20.5671

■ 51.4830, 66.0720,
57.4477

■ 19.3968, 11.1430,
18.2560

■ 56.8387, 75.6677,
62.6725

■ 18.4955, 9.9230,
16.1594

■ 61.3343, 83.4946,
67.7605

■ 17.8340, 9.1429,
14.2654

■ 62.0928, 83.7980,
71.7545

■ 17.3855, 8.6990,
12.7185

■ 62.8824, 84.1138,
75.9124

Harmonies

Analogous

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



30.4654, 30.4376, 38.7914



31.2304, 30.4376, 35.6815



31.3698, 30.4376, 32.0882

Triad

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



31.2304, 30.4376, 35.6815



28.5599, 30.4376, 26.7963



27.0998, 30.4376, 37.6536

Complementary

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



31.2304, 30.4376, 35.6815



30.4429, 34.4820, 34.7586

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.



26.6202, 30.4376, 34.2173



31.2304, 30.4376, 35.6815



27.4471, 30.4376, 28.0685

Square

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



31.2304, 30.4376, 35.6815



29.8039, 30.4376, 27.1263



26.7455, 30.4376, 30.7248



28.0734, 30.4376, 39.9858

Rectangle

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



31.2304, 30.4376, 35.6815



31.0853, 30.4376, 29.9255



26.7455, 30.4376, 30.7248



26.8767, 30.4376, 36.5798

Sweetspot

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



31.2313, 30.4389, 35.6822



60.4848, 62.3640, 69.2883



29.6676, 29.5624, 38.7933



13.4796, 13.8248, 15.4398



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.



31.2313, 30.4389, 35.6822



54.7558, 52.4970, 62.4734



30.5050, 30.1484, 31.8578



7.2470, 7.1553, 8.2872



13.5343, 6.7698, 10.0041



0.3065, 0.1511, 0.3268

Inverse Universe

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



31.2313, 30.4389, 35.6822



54.7558, 52.4970, 62.4734



31.1994, 34.7846, 38.7423



7.2470, 7.1553, 8.2872



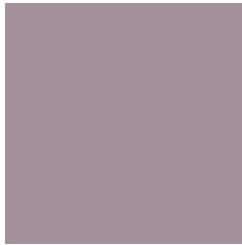
13.5343, 6.7698, 10.0041



0.3065, 0.1511, 0.3268

Previews

White Background



This preview shows how the XYZ color 31.2304, 30.4376, 35.6815 looks on a white background.

Color Contrast Check

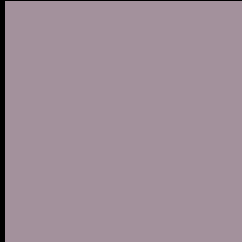
Large Text (above 18pt) WCAG AA × Fail

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 31.2304, 30.4376, 35.6815 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 31.2304, 30.4376, 35.6815

Background



This preview shows how black text looks on a background with the XYZ color 31.2304, 30.4376, 35.6815.



This preview shows how white text looks on a background with the XYZ color 31.2304, 30.4376,

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

31.2304, 30.4376, 35.6815

Protanopia

29.4967, 30.4475, 36.6701

Deuteranopia

31.0264, 30.3325, 35.6720



Tritanopia

31.2304, 30.4376, 35.6815

Trichromacy



Original Color

31.2304, 30.4376, 35.6815

Protanomaly

30.1933, 30.5827, 36.2100

Deuteranomaly

31.0264, 30.3325, 35.6720

Tritanomaly

31.2304, 30.4376, 35.6815

Monochromacy



Original Color

31.2304, 30.4376, 35.6815

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2075, 30.8627, 34.5020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2304, 30.4376, 35.6815 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, 145, 156)` looks like.

```
.text, #text, p{  
    color:rgb(163, 145, 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, 145, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 145, 156) }
```

Border

The CSS property to change the border of an element to XYZ 31.2304, 30.4376, 35.6815 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, 145, 156) }
```


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

```
.border{ border-color:rgb(163, 145, 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, 145, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 145, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 145, 156);  
box-shadow:4px 4px 4px 4px rgb(163, 145,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2304, 30.4376, 35.6815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 145, 156) }
```

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

```
.background{ background-color: rgb(163,  
145, 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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