

Converting Colors

XYZ(30.3187, 29.7417, 31.6987)

Have a look what the booklet for
XYZ(30.3187, 29.7417, 31.6987)
contains.

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Color

**XYZ(30.3440, 29.8396,
31.7641)**

Conversions

Conversions Part 1

Format	Color
Hex	A39093
RGB	163, 144, 147
RGB Percent	64%, 56%, 58%
CMY	0.3608, 0.4353, 0.4235
CMYK	0.00, 0.12, 0.10, 0.36
HSL	351°, 9%, 60%
HSV	351°, 12%, 64%
XYZ	30.3440, 29.8396, 31.7641
YIQ	150.0230, 10.3610, 4.9610

Conversions

Conversions Part 2

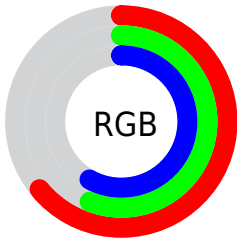
Format	Color
RYB	163, 144, 147
Decimal	10719379
CIELab	61.52, 7.61, 1.00
CIELCh	62, 7.676, 7.510
Yxy	29.8396, 0.3300, 0.3245
Android (android.graphics.Color)	4288909459 (0xFFA39093)
YUV	150.0230, -1.4903, 11.3808
Hunter-Lab	54.6256, 3.5601, 3.7616

Details

The XYZ color **30.3440, 29.8396, 31.7641** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.9451, 34.6626, 38.3190**, and the grayscale version is **29.0029, 30.5133, 33.2290**.

A 20% lighter version of the original color is **59.6501, 59.5106, 63.6011**, and **12.7159, 12.2480, 13.0032** is the 20% darker color. If you saturate the color by 10%, you get **27.0375, 24.8488, 25.6605**, and if you desaturate by 10%, it is **34.1372, 35.5974, 38.6650**.

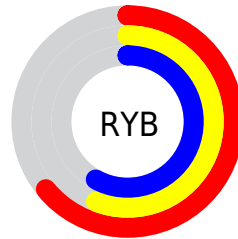
Distribution



Red (64%)

Green (56%)

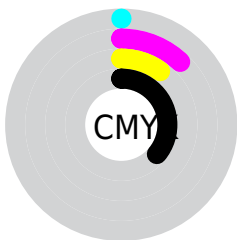
Blue (58%)



Red (64%)

Yellow (56%)

Blue (58%)

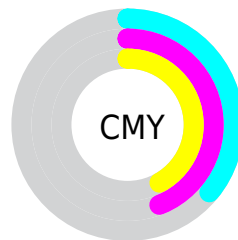


Cyan (0%)

Magenta (12%)

Yellow (10%)

Black (36%)



Cyan (36%)

Magenta (44%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3440, 29.8396, 31.7641 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 30.3440, 29.8396, 31.7641 by changing the saturation by 10% instead.

■ 30.3440, 29.8396,
31.7641

■ 30.3440, 29.8396,
31.7641

295.3858,
301.1561, 324.5028

■ 20.2492, 19.7169,
20.9181

■ 59.5887, 59.4084,
63.5347

■ 12.6856, 12.1894,
12.8735

■ 79.4693, 79.6233,
85.2963

■ 7.2879, 6.8728,
7.2118

103.3425,
103.9710, 111.5336

■ 3.6907, 3.3827,
3.5144

131.5737,
132.8360, 142.6649

■ 1.5287, 1.3346,
1.3629

164.5283,
166.6026, 179.1090

■ 0.3452, 0.1678,
0.1126

202.5716,

■ 0.0000, 0.0000,

205.6552, 221.2843

0.0000

246.0690,
250.3782, 269.6094

■ 30.3440, 29.8396,
31.7641

■ 30.3440, 29.8396,
31.7641

■ 27.0375, 24.8488,
25.6605

■ 34.1372, 35.5974,
38.6650

■ 24.1956, 20.5888,
20.3235

■ 38.4332, 42.1486,
46.3886

■ 21.7980, 17.0265,
15.7231

■ 43.2504, 49.5230,
54.9616

■ 19.8219, 14.1245,
11.8269

■ 48.6056, 57.7480,
64.4087

■ 18.2427, 11.8421,
8.5997

■ 54.5147, 66.8495,
74.7539

■ 17.0329, 10.1339,
6.0035

■ 60.9931, 76.8524,
86.0200

■ 16.1617, 8.9484,
3.9961

■ 67.0572, 85.7837,
97.8964

■ 15.5929, 8.2248,
2.5304

■ 68.9145, 86.5266,
107.6769

■ 15.2878, 7.8600,
1.6722

Harmonies

Analogous

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



30.2062, 29.8396, 34.6790



30.3440, 29.8396, 31.7641



29.9406, 29.8396, 29.1995

Triad

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



30.3440, 29.8396, 31.7641



27.1880, 29.8396, 28.2489



27.6205, 29.8396, 37.9418

Complementary

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



30.3440, 29.8396, 31.7641



30.9451, 34.6626, 38.3190

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.



26.8392, 29.8396, 36.0194



30.3440, 29.8396, 31.7641



26.5937, 29.8396, 30.3956

Square

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



30.3440, 29.8396, 31.7641



28.1069, 29.8396, 27.2503



26.4676, 29.8396, 33.2274



28.6179, 29.8396, 38.3622

Rectangle

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



30.3440, 29.8396, 31.7641



29.4246, 29.8396, 27.9935



26.4676, 29.8396, 33.2274



27.3246, 29.8396, 37.4445

Sweetspot

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



30.3448, 29.8409, 31.7647



60.1312, 62.2226, 67.4262



31.0490, 30.0486, 38.8143



13.3804, 13.7851, 14.9174



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.



30.3448, 29.8409, 31.7647



52.7193, 50.9835, 53.9044



31.0989, 31.7205, 30.8707



7.1172, 7.1033, 7.6038



11.8928, 6.1132, 1.3602



0.2621, 0.1333, 0.0928

Inverse Universe

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



30.3448, 29.8409, 31.7647



52.7193, 50.9835, 53.9044



30.1142, 32.5760, 39.3514



7.1172, 7.1033, 7.6038



11.8928, 6.1132, 1.3602



0.2621, 0.1333, 0.0928

Previews

White Background



This preview shows how the XYZ color 30.3440, 29.8396, 31.7641 looks on a white background.

Color Contrast Check

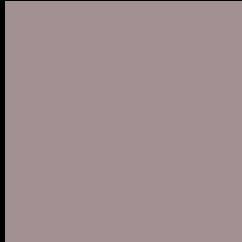
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3440, 29.8396, 31.7641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

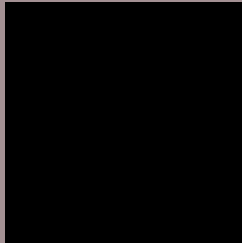
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3440, 29.8396, 31.7641

Background



This preview shows how black text looks on a background with the XYZ color 30.3440, 29.8396, 31.7641.



This preview shows how white text looks on a background with the XYZ color 30.3440, 29.8396,

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

30.3440, 29.8396, 31.7641

Protanopia

28.7772, 29.9290, 32.6939

Deuteranopia

30.3440, 29.8396, 31.7641



Tritanopia

30.9650, 29.8705, 34.7054

Trichromacy



Original Color

30.3440, 29.8396, 31.7641

Protanomaly

29.2966, 29.9741, 32.2585

Deuteranomaly

30.3440, 29.8396, 31.7641

Tritanomaly

30.7182, 29.7718, 33.4057

Monochromacy



Original Color

30.3440, 29.8396, 31.7641

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

29.5323, 30.3183, 32.7293

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3440, 29.8396, 31.7641 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(163, 144, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 144, 147) }
```

Border

The CSS property to change the border of an element to XYZ 30.3440, 29.8396, 31.7641 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, 147) }
```


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

```
.border{ border-color:rgb(163, 144, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 144, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 144, 147); box-shadow:4px 4px 4px 4px rgb(163, 144, 147) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3440, 29.8396, 31.7641 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, 147) }
```

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

```
.background{ background-color: rgb(163,  
144, 147) }
```

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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