

Converting Colors

XYZ(31.7600, 30.4498, 37.2794)

Have a look what the booklet for
XYZ(31.7600, 30.4498, 37.2794)
contains.

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Color

**XYZ(31.8355, 30.4839,
37.4638)**

Conversions

Conversions Part 1

Format	Color
Hex	A590A0
RGB	165, 144, 160
RGB Percent	65%, 56%, 63%
CMY	0.3529, 0.4353, 0.3725
CMYK	0.00, 0.13, 0.03, 0.35
HSL	314°, 10%, 61%
HSV	314°, 13%, 65%
XYZ	31.8355, 30.4839, 37.4638
YIQ	152.1030, 7.3800, 9.4280

Conversions

Conversions Part 2

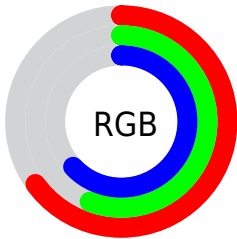
Format	Color
R_{YB}	165, 144, 160
Decimal	10850464
CIE _{Lab}	62.07, 10.73, -5.54
CIE _{LCh}	62, 12.079, 332.682
Yxy	30.4839, 0.3190, 0.3055
Android (android.graphics.Color)	4289040544 (0xFFA590A0)
YUV	152.1030, 3.8932, 11.3107
Hunter-Lab	55.2122, 6.3021, -1.5822

Details

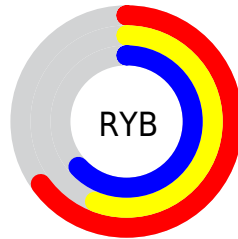
The XYZ color **31.8355, 30.4839, 37.4638** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.3827, 35.0104, 33.5918**, and the grayscale version is **29.8717, 31.4273, 34.2244**.

A 20% lighter version of the original color is **61.9750, 60.5101, 72.7032**, and **13.5731, 12.6202, 16.1886** is the 20% darker color. If you saturate the color by 10%, you get **29.1787, 25.7114, 34.9093**, and if you desaturate by 10%, it is **34.8702, 35.9940, 40.1986**.

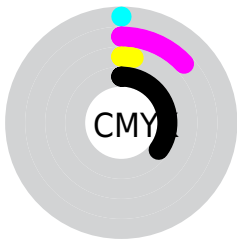
Distribution



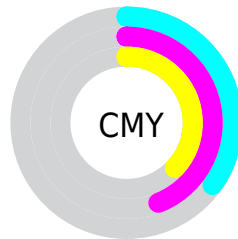
- Red (65%)
- Green (56%)
- Blue (63%)



- Red (65%)
- Yellow (56%)
- Blue (63%)



- Cyan (0%)
- Magenta (13%)
- Yellow (3%)
- Black (35%)



- Cyan (35%)
- Magenta (44%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8355, 30.4839, 37.4638 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 31.8355, 30.4839, 37.4638 by changing the saturation by 10% instead.

■ 31.8355, 30.4839,
37.4638

■ 31.8355, 30.4839,
37.4638

302.1278,
304.1536, 350.5432

■ 21.3908, 20.2062,
25.2682

■ 61.9201, 60.4266,
72.4798

■ 13.5241, 12.5450,
16.0561

■ 82.2906, 80.8604,
96.1373

■ 7.8699, 7.1160,
9.4091

106.7006,
105.4483, 124.4525

■ 4.0629, 3.5347,
4.9085

135.5152,
134.5747, 157.8440

■ 1.7378, 1.4169,
2.1359

169.0999,
168.6240, 196.7302

■ 0.4797, 0.2291,
0.6370

207.8200,

■ 0.0000, 0.0000,

207.9807, 241.5298

0.0000

252.0408,
253.0291, 292.6613

■ 31.8355, 30.4839,
37.4638

■ 31.8355, 30.4839,
37.4638

■ 29.1787, 25.7114,
34.9093

■ 34.8702, 35.9940,
40.1986

■ 26.8813, 21.6408,
32.5273

■ 38.2950, 42.2673,
43.1172

■ 24.9271, 18.2396,
30.3124

■ 42.1250, 49.3331,
46.2254

■ 23.2977, 15.4710,
28.2578

■ 46.3735, 57.2182,
49.5282

■ 21.9729, 13.2949,
26.3564

■ 51.0533, 65.9478,
53.0302

■ 20.9301, 11.6662,
24.6001

■ 56.1766, 75.5463,
56.7360

■ 20.1435, 10.5336,
22.9799

■ 60.3012, 83.1290,
60.1653

■ 19.5825, 9.8360,
21.4848

■ 60.7292, 83.3002,
62.4192

■ 19.2644, 9.4983,
20.4584

■ 61.1688, 83.4761,
64.7344

Harmonies

Analogous

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



30.6917, 30.4839, 41.2951



31.8355, 30.4839, 37.4638



32.2038, 30.4839, 32.7754

Triad

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



31.8355, 30.4839, 37.4638



28.8283, 30.4839, 25.0421



26.4265, 30.4839, 38.2545

Complementary

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



31.8355, 30.4839, 37.4638



30.3827, 35.0104, 33.5918

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.



25.9678, 30.4839, 33.6117



31.8355, 30.4839, 37.4638



27.3217, 30.4839, 26.2246

Square

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



31.8355, 30.4839, 37.4638



30.4296, 30.4839, 25.8688



26.2894, 30.4839, 29.2575



27.5656, 30.4839, 41.7807

Rectangle

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



31.8355, 30.4839, 37.4638



31.9492, 30.4839, 29.8639



26.2894, 30.4839, 29.2575



26.1896, 30.4839, 36.7582

Sweetspot

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



31.8364, 30.4852, 37.4645



61.6766, 63.0534, 71.3128



29.1422, 29.0448, 39.6681



13.3942, 13.6217, 15.5112



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.



31.8364, 30.4852, 37.4645



55.7396, 52.2938, 65.8986



30.9642, 30.1364, 32.8718



7.2919, 7.1732, 8.5234



14.5936, 7.1935, 15.5825



0.3232, 0.1578, 0.4148

Inverse Universe

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



31.8364, 30.4852, 37.4645



55.7396, 52.2938, 65.8986



31.2506, 35.3575, 38.1616



7.2919, 7.1732, 8.5234



14.5936, 7.1935, 15.5825



0.3232, 0.1578, 0.4148

Previews

White Background



This preview shows how the XYZ color 31.8355, 30.4839, 37.4638 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 31.8355, 30.4839, 37.4638 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 31.8355, 30.4839, 37.4638

Background



This preview shows how black text looks on a background with the XYZ color 31.8355, 30.4839, 37.4638.



This preview shows how white text looks on a background with the XYZ color 31.8355, 30.4839,

37.4638.

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

31.8355, 30.4839, 37.4638

Protanopia

29.7527, 30.5288, 38.9748

Deuteranopia

31.1213, 30.5694, 37.5179



Tritanopia

31.4360, 30.5436, 35.6911

Trichromacy



Original Color

31.8355, 30.4839, 37.4638

Protanomaly

30.4729, 30.4446, 38.4527

Deuteranomaly

31.3709, 30.4702, 37.4856

Tritanomaly

31.5210, 30.5776, 36.1390

Monochromacy



Original Color

31.8355, 30.4839, 37.4638

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.5685, 31.0295, 35.3885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8355, 30.4839, 37.4638 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(165, 144, 160)` looks like.

```
.text, #text, p{  
    color:rgb(165, 144, 160)  
}
```

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(165, 144, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 144, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.8355, 30.4839, 37.4638 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(165, 144, 160) }
```


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

```
.border{ border-color:rgb(165, 144, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 144, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 144, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 144, 160);  
box-shadow:4px 4px 4px 4px rgb(165, 144,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8355, 30.4839, 37.4638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 144, 160) }
```

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

```
.background{ background-color: rgb(165,  
144, 160) }
```

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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