

Converting Colors

XYZ(31.2765, 30.4452, 38.9724)

Have a look what the booklet for
XYZ(31.2765, 30.4452, 38.9724)
contains.

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Color

**XYZ(31.2335, 30.3687,
38.8659)**

Conversions

Conversions Part 1

Format	Color
Hex	A091A3
RGB	160, 145, 163
RGB Percent	63%, 57%, 64%
CMY	0.3725, 0.4314, 0.3608
CMYK	0.02, 0.11, 0.00, 0.36
HSL	290°, 9%, 60%
HSV	290°, 11%, 64%
XYZ	31.2335, 30.3687, 38.8659
YIQ	151.5370, 3.1620, 8.7780

Conversions

Conversions Part 2

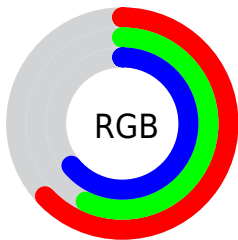
Format	Color
R_{YB}	160, 145, 163
Decimal	10523043
CIE _{Lab}	61.97, 8.95, -7.44
CIE _{LCh}	62, 11.641, 320.275
Yxy	30.3687, 0.3109, 0.3023
Android (android.graphics.Color)	4288713123 (0xFFA091A3)
YUV	151.5370, 5.6513, 7.4221
Hunter-Lab	55.1078, 4.7300, -3.2400

Details

The XYZ color **31.2335, 30.3687, 38.8659** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.4218, 34.5354, 31.8521**, and the grayscale version is **29.6219, 31.1646, 33.9382**.

A 20% lighter version of the original color is **61.1026, 60.3559, 74.7591**, and **13.1458, 12.5203, 16.7627** is the 20% darker color. If you saturate the color by 10%, you get **28.3825, 25.4637, 38.0699**, and if you desaturate by 10%, it is **34.4555, 35.9972, 39.7829**.

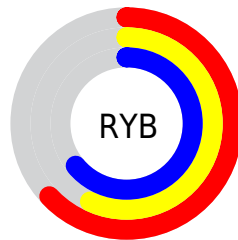
Distribution



Red (63%)

Green (57%)

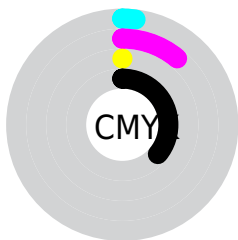
Blue (64%)



Red (63%)

Yellow (57%)

Blue (64%)

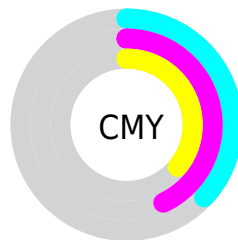


Cyan (2%)

Magenta (11%)

Yellow (0%)

Black (36%)



Cyan (37%)

Magenta (43%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2335, 30.3687, 38.8659 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 31.2335, 30.3687, 38.8659 by changing the saturation by 10% instead.

■ 31.2335, 30.3687,
38.8659

■ 31.2335, 30.3687,
38.8659

299.4203,
303.6193, 356.7289

■ 20.9294, 20.1186,
26.3484

■ 60.9809, 60.2448,
74.6515

■ 13.1846, 12.4813,
16.8564

■ 81.1548, 80.6395,
98.7567

■ 7.6336, 7.0723,
9.9713

105.3495,
105.1847, 127.5615

■ 3.9113, 3.5074,
5.2745

133.9302,
134.2645, 161.4845

■ 1.6521, 1.4020,
2.3477

167.2622,
168.2635, 200.9442

■ 0.4260, 0.2182,
0.7578

205.7110,

■ 0.0000, 0.0000,

207.5660, 246.3591

0.0000

249.6420,
252.5565, 298.1479

■ 31.2335, 30.3687,
38.8659

■ 31.2335, 30.3687,
38.8659

■ 28.3825, 25.4637,
38.0699

■ 34.4555, 35.9972,
39.7829

■ 25.8846, 21.2479,
37.3878

■ 38.0603, 42.3737,
40.8238

■ 23.7244, 17.6901,
36.8149

■ 42.0620, 49.5266,
41.9935

■ 21.8843, 14.7552,
36.3454

■ 46.4738, 57.4815,
43.2964

■ 20.3450, 12.4048,
35.9729

■ 51.3077, 66.2627,
44.7366

■ 19.0852, 10.5961,
35.6902

■ 56.5757, 75.8937,
46.3179

■ 18.0804, 9.2807,
35.4892

■ 60.9655, 83.7502,
47.6030

■ 17.3019, 8.4011,
35.3605

■ 61.5997, 84.0772,
47.6327

■ 16.7375, 7.8648,
35.2867

■ 62.2464, 84.4105,
47.6629

Harmonies

Analogous

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



29.9165, 30.3687, 41.7967



31.2335, 30.3687, 38.8659



31.9230, 30.3687, 34.5388

Triad

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



31.2335, 30.3687, 38.8659



29.3742, 30.3687, 25.3016



26.1413, 30.3687, 36.1333

Complementary

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



31.2335, 30.3687, 38.8659



30.4218, 34.5354, 31.8521

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.



26.0079, 30.3687, 31.6364



31.2335, 30.3687, 38.8659



27.8376, 30.3687, 25.6452

Square

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



31.2335, 30.3687, 38.8659



30.8243, 30.3687, 26.8897



26.6185, 30.3687, 27.8745



26.9897, 30.3687, 40.1231

Rectangle

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



31.2335, 30.3687, 38.8659



31.9177, 30.3687, 31.5576



26.6185, 30.3687, 27.8745



26.0126, 30.3687, 34.6224

Sweetspot

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



31.2344, 30.3700, 38.8666



60.4900, 62.3310, 70.8990



28.8790, 29.8452, 38.8894



13.4809, 13.8154, 15.8936



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.



31.2344, 30.3700, 38.8666



54.7583, 52.3478, 69.2742



31.3164, 30.4729, 36.1304



7.2479, 7.1422, 8.8996



13.0406, 6.1292, 27.4255



0.3029, 0.1437, 0.5776

Inverse Universe

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



30.5759, 30.1767, 32.2314



53.3743, 51.9444, 55.1987



30.3612, 34.4493, 34.3285



7.1197, 7.1043, 7.6168



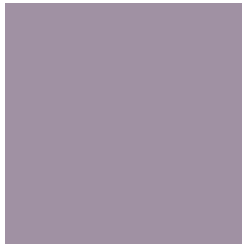
11.9060, 6.1185, 1.4299



0.2630, 0.1337, 0.0974

Previews

White Background



This preview shows how the XYZ color 31.2335, 30.3687, 38.8659 looks on a white background.

Color Contrast Check

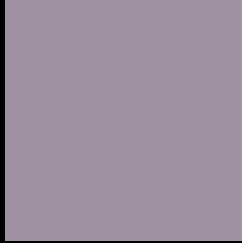
Large Text (above 18pt) WCAG AA × Fail

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 31.2335, 30.3687, 38.8659 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 31.2335, 30.3687, 38.8659

Background



This preview shows how black text looks on a background with the XYZ color 31.2335, 30.3687, 38.8659.



This preview shows how white text looks on a background with the XYZ color 31.2335, 30.3687,

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

31.2335, 30.3687, 38.8659

Protanopia

29.7517, 30.5074, 39.9177

Deuteranopia

30.9903, 30.4712, 38.8985



Tritanopia

30.6628, 30.3630, 36.1428

Trichromacy



Original Color

31.2335, 30.3687, 38.8659

Protanomaly

30.2396, 30.5355, 39.4221

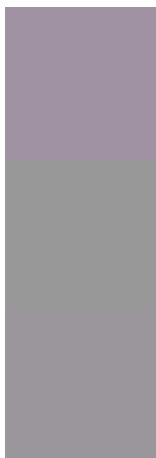
Deuteranomaly

31.1878, 30.5730, 38.9077

Tritanomaly

30.8350, 30.4319, 37.0497

Monochromacy



Original Color

31.2335, 30.3687, 38.8659

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.2658, 30.8638, 35.8146

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2335, 30.3687, 38.8659 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(160, 145, 163)` looks like.

```
.text, #text, p{  
    color:rgb(160, 145, 163)  
}
```

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(160, 145, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 145, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.2335, 30.3687, 38.8659 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(160, 145, 163) }
```


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

```
.border{ border-color:rgb(160, 145, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 145, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 145, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 145, 163);  
box-shadow:4px 4px 4px 4px rgb(160, 145,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2335, 30.3687, 38.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 145, 163) }
```

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

```
.background{ background-color: rgb(160,  
145, 163) }
```

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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