

Converting Colors

XYZ(31.4747, 31.5294, 37.4498)

Have a look what the booklet for
XYZ(31.4747, 31.5294, 37.4498)
contains.

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Color

**XYZ(31.3035, 31.3690,
37.2058)**

Conversions

Conversions Part 1

Format	Color
Hex	9F959F
RGB	159, 149, 159
RGB Percent	62%, 58%, 62%
CMY	0.3765, 0.4157, 0.3765
CMYK	0.00, 0.06, 0.00, 0.38
HSL	300°, 5%, 60%
HSV	300°, 6%, 62%
XYZ	31.3035, 31.3690, 37.2058
YIQ	153.1300, 2.7500, 5.2300

Conversions

Conversions Part 2

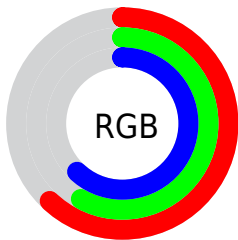
Format	Color
R_{YB}	159, 149, 159
Decimal	10458527
CIE Lab	62.82, 5.56, -3.93
CIE LCh	63, 6.810, 324.747
Yxy	31.3690, 0.3134, 0.3141
Android (android.graphics.Color)	4288648607 (0xFF9F959F)
YUV	153.1300, 2.8939, 5.1480
Hunter-Lab	56.0080, 1.7515, -0.1804

Details

The XYZ color **31.3035, 31.3690, 37.2058** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2185, 33.3566, 33.2811**, and the grayscale version is **30.3225, 31.9017, 34.7409**.

A 20% lighter version of the original color is **61.2251, 61.8631, 72.3322**, and **13.2588, 13.0062, 15.9990** is the 20% darker color. If you saturate the color by 10%, you get **28.9581, 26.6777, 36.4243**, and if you desaturate by 10%, it is **33.9942, 36.7499, 38.1031**.

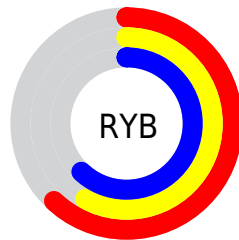
Distribution



Red (62%)

Green (58%)

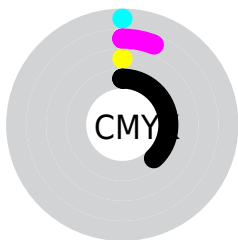
Blue (62%)



Red (62%)

Yellow (58%)

Blue (62%)

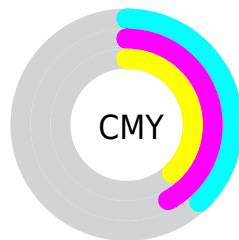


Cyan (0%)

Magenta (6%)

Yellow (0%)

Black (38%)



Cyan (38%)

Magenta (42%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3035, 31.3690, 37.2058 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 31.3035, 31.3690, 37.2058 by changing the saturation by 10% instead.

■ 31.3035, 31.3690,
37.2058

■ 31.3035, 31.3690,
37.2058

299.7361,
308.2347, 349.3962

■ 20.9830, 20.8800,
25.0698

■ 61.0902, 61.8206,
72.0791

■ 13.2240, 13.0363,
15.9096

■ 81.2871, 82.5519,
95.6534

■ 7.6610, 7.4536,
9.3065

105.5069,
107.4662, 123.8777

■ 3.9288, 3.7473,
4.8421

134.1149,
136.9477, 157.1704

■ 1.6619, 1.5333,
2.0978

167.4764,
171.3809, 195.9500

■ 0.4323, 0.3120,
0.6145

205.9569,

■ 0.0000, 0.0000,

211.1502, 240.6352

0.0000

249.9217,
256.6400, 291.6444

■ 31.3035, 31.3690,
37.2058

■ 31.3035, 31.3690,
37.2058

■ 28.9581, 26.6777,
36.4243

■ 33.9942, 36.7499,
38.1031

■ 26.9414, 22.6443,
35.7521

■ 37.0404, 42.8424,
39.1186

■ 25.2395, 19.2407,
35.1848

■ 40.4555, 49.6725,
40.2569

■ 23.8367, 16.4350,
34.7171

■ 44.2512, 57.2639,
41.5222

■ 22.7155, 14.1927,
34.3434

■ 48.4387, 65.6390,
42.9181

■ 21.8571, 12.4758,
34.0572

■ 53.0289, 74.8193,
44.4482

■ 21.2400, 11.2416,
33.8514

■ 56.3164, 81.3943,
45.5441

■ 20.8395, 10.4406,
33.7179

■ 56.3164, 81.3943,
45.5441

■ 20.6204, 10.0024,
33.6448

■ 56.3164, 81.3943,
45.5441

Harmonies

Analogous

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



30.5721, 31.3690, 39.0342



31.3035, 31.3690, 37.2058



31.6366, 31.3690, 34.6278

Triad

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



31.3035, 31.3690, 37.2058



29.9797, 31.3690, 29.2932



28.2165, 31.3690, 36.3504

Complementary

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



31.3035, 31.3690, 37.2058



30.2185, 33.3566, 33.2811

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.



28.0653, 31.3690, 33.6875



31.3035, 31.3690, 37.2058



29.0710, 31.3690, 29.7013

Square

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



31.3035, 31.3690, 37.2058



30.8622, 31.3690, 30.1317



28.3750, 31.3690, 31.2767



28.7924, 31.3690, 38.5225

Rectangle

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



31.3035, 31.3690, 37.2058



31.5830, 31.3690, 32.8651



28.3750, 31.3690, 31.2767



28.1148, 31.3690, 35.4793

Sweetspot

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



31.3044, 31.3704, 37.2065



58.0331, 60.1216, 67.2894



29.4013, 30.3892, 37.1174



13.0963, 13.5800, 15.1746



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3044, 31.3704, 37.2065



55.2332, 54.5219, 66.3561



30.8792, 31.2003, 34.9676



6.9042, 6.7546, 8.3466



16.2358, 7.7989, 26.5566



0.2903, 0.1394, 0.4748

Inverse Universe

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



31.3044, 31.3704, 37.2065



55.2332, 54.5219, 66.3561



30.6264, 33.5197, 35.4287



6.9042, 6.7546, 8.3466



16.2358, 7.7989, 26.5566



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 31.3035, 31.3690, 37.2058 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 31.3035, 31.3690, 37.2058 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 31.3035, 31.3690, 37.2058

Background



This preview shows how black text looks on a background with the XYZ color 31.3035, 31.3690, 37.2058.



This preview shows how white text looks on a background with the XYZ color 31.3035, 31.3690,

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

31.3035, 31.3690, 37.2058

Protanopia

30.3607, 31.3467, 37.7080

Deuteranopia

31.7960, 31.1572, 37.1390



Tritanopia

31.3907, 31.4039, 37.6648

Trichromacy



Original Color

31.3035, 31.3690, 37.2058

Protanomaly

30.7691, 31.3193, 37.6812

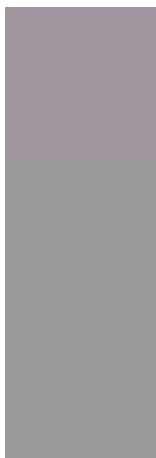
Deuteranomaly

31.7482, 31.3644, 37.1815

Tritanomaly

31.3907, 31.4039, 37.6648

Monochromacy



Original Color

31.3035, 31.3690, 37.2058

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.6622, 31.7916, 35.5307

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3035, 31.3690, 37.2058 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(159, 149, 159)` looks like.

```
.text, #text, p{  
    color:rgb(159, 149, 159)  
}
```

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(159, 149, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 149, 159) }
```

Border

The CSS property to change the border of an element to XYZ 31.3035, 31.3690, 37.2058 is called "border". The border property can be set on classes, ids or directly on the HTML element.

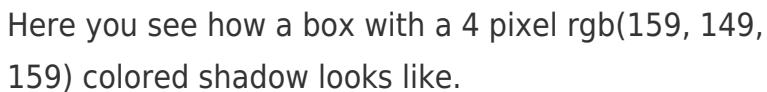
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(159, 149, 159) }
```


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

```
.border{ border-color:rgb(159, 149, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 149, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 149, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 149, 159); box-shadow:4px 4px 4px 4px rgb(159, 149, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3035, 31.3690, 37.2058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 149, 159) }
```

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

```
.background{ background-color: rgb(159,  
149, 159) }
```

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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