

Converting Colors

XYZ(31.6015, 33.4280, 32.0930)

Have a look what the booklet for
XYZ(31.6015, 33.4280, 32.0930)
contains.

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Color

**XYZ(31.5740, 33.3258,
31.9625)**

Conversions

Conversions Part 1

Format	Color
Hex	A09C92
RGB	160, 156, 146
RGB Percent	63%, 61%, 57%
CMY	0.3725, 0.3882, 0.4274
CMYK	0.00, 0.02, 0.09, 0.37
HSL	43°, 7%, 60%
HSV	43°, 9%, 63%
XYZ	31.5740, 33.3258, 31.9625
YIQ	156.0560, 5.5940, -2.2620

Conversions

Conversions Part 2

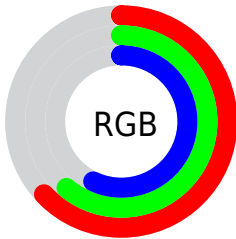
Format	Color
R _Y B	152, 160, 146
Decimal	10525842
CIE Lab	64.42, -0.37, 5.74
CIE LCh	64, 5.754, 93.682
Yxy	33.3258, 0.3260, 0.3441
Android (android.graphics.Color)	4288715922 (0xFFA09C92)
YUV	156.0560, -4.9576, 3.4589
Hunter-Lab	57.7285, -3.3962, 7.5829

Details

The XYZ color **31.5740, 33.3258, 31.9625** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.1056, 30.4614, 37.6038**, and the grayscale version is **31.6453, 33.2934, 36.2565**.

A 20% lighter version of the original color is **61.4963, 64.7104, 63.8927**, and **13.4696, 14.1989, 13.0971** is the 20% darker color. If you saturate the color by 10%, you get **29.6636, 31.3591, 25.6089**, and if you desaturate by 10%, it is **33.6893, 35.4228, 39.2447**.

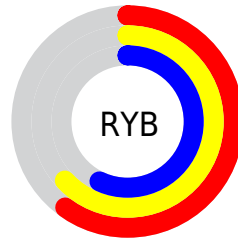
Distribution



Red (63%)

Green (61%)

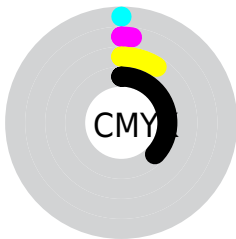
Blue (57%)



Red (60%)

Yellow (63%)

Blue (57%)

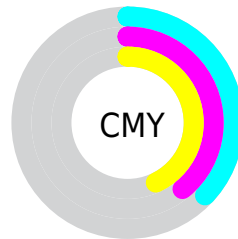


Cyan (0%)

Magenta (2%)

Yellow (9%)

Black (37%)



Cyan (37%)

Magenta (39%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5740, 33.3258, 31.9625 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 31.5740, 33.3258, 31.9625 by changing the saturation by 10% instead.

■ 31.5740, 33.3258,
31.9625

■ 31.5740, 33.3258,
31.9625

300.9540,
317.1153, 325.4359

■ 21.1903, 22.3761,
21.0683

■ 61.5124, 64.8839,
63.8495

■ 13.3764, 14.1335,
12.9822

■ 81.7977, 86.2610,
85.6794

■ 7.7670, 8.2136,
7.2857

106.1144,
111.8829, 111.9916

■ 3.9968, 4.2319,
3.5603

134.8276,
142.1337, 143.2046

■ 1.7003, 1.8041,
1.3873

168.3029,
177.3980, 179.7370

■ 0.4565, 0.4897,
0.1318

206.9054,

■ 0.0000, 0.0000,

218.0601, 222.0073

0.0000

251.0007,
264.5044, 270.4341

■ 31.5740, 33.3258,
31.9625

■ 31.5740, 33.3258,
31.9625

■ 29.6636, 31.3591,
25.6089

■ 33.6893, 35.4228,
39.2447

■ 27.9478, 29.5147,
20.1438

■ 36.0139, 37.6491,
47.4891

■ 26.4196, 27.7905,
15.5271

■ 38.5554, 40.0092,
56.7303

■ 25.0703, 26.1826,
11.7152

■ 41.3202, 42.5063,
67.0005

■ 23.8905, 24.6865,
8.6601

■ 44.3143, 45.1431,
78.3306

■ 22.8700, 23.2976,
6.3092

■ 47.5437, 47.9226,
90.7500

■ 21.9970, 22.0108,
4.6025

■ 50.5269, 50.6526,
101.7216

■ 21.2579, 20.8200,
3.4705

■ 51.5182, 52.6353,
102.0521

■ 20.6264, 19.7141,
2.7755

■ 52.5408, 54.6804,
102.3929

Harmonies

Analogous

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



32.3796, 33.3258, 32.3860



31.5740, 33.3258, 31.9625



30.8085, 33.3258, 32.6557

Triad

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



31.5740, 33.3258, 31.9625



30.3808, 33.3258, 38.8493



33.1100, 33.3258, 38.3259

Complementary

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



31.5740, 33.3258, 31.9625



29.1056, 30.4614, 37.6038

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.



32.5579, 33.3258, 40.1762



31.5740, 33.3258, 31.9625



30.9810, 33.3258, 40.4874

Square

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



31.5740, 33.3258, 31.9625



30.1271, 33.3258, 36.5770



31.7766, 33.3258, 40.9831



33.2754, 33.3258, 35.9968

Rectangle

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



31.5740, 33.3258, 31.9625



30.4213, 33.3258, 33.6760



31.7766, 33.3258, 40.9831



32.9631, 33.3258, 39.0277

Sweetspot

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



31.5749, 33.3273, 31.9632



59.4694, 62.6489, 65.3500



30.2977, 30.2403, 33.1792



12.9768, 13.6748, 14.1057



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.



31.5749, 33.3273, 31.9632



56.8070, 59.9821, 56.2681



31.7033, 34.4057, 32.1646



7.0100, 7.4000, 7.0445



16.0472, 15.3300, 2.1132



0.3208, 0.3419, 0.0491

Inverse Universe

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



29.1056, 30.4614, 37.6038



51.6344, 53.9789, 68.0841



28.9825, 29.4671, 37.4184



6.4313, 6.7284, 8.3664



5.7279, 3.5473, 26.2900



0.1358, 0.1302, 0.4812

Previews

White Background



This preview shows how the XYZ color 31.5740, 33.3258, 31.9625 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 31.5740, 33.3258, 31.9625 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

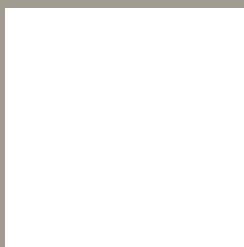
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.5740, 33.3258, 31.9625

Background



This preview shows how black text looks on a background with the XYZ color 31.5740, 33.3258, 31.9625.



This preview shows how white text looks on a background with the XYZ color 31.5740, 33.3258,

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

31.5740, 33.3258, 31.9625

Protanopia

31.7747, 33.4293, 31.9719

Deuteranopia

34.0123, 33.3538, 32.2490



Tritanopia

33.2870, 33.2856, 40.2677

Trichromacy



Original Color

31.5740, 33.3258, 31.9625

Protanomaly

31.7747, 33.4293, 31.9719

Deuteranomaly

33.2353, 33.4351, 32.3057

Tritanomaly

32.6274, 33.2612, 37.0482

Monochromacy



Original Color

31.5740, 33.3258, 31.9625

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.4606, 33.2120, 34.4582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5740, 33.3258, 31.9625 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, 156, 146)` looks like.

```
.text, #text, p{  
    color:rgb(160, 156, 146)  
}
```

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, 156, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 156, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.5740, 33.3258, 31.9625 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, 156, 146) }
```


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

```
.border{ border-color:rgb(160, 156, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 156, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 156, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 156, 146);  
box-shadow:4px 4px 4px 4px rgb(160, 156,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5740, 33.3258, 31.9625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 156, 146) }
```

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

```
.background{ background-color: rgb(160,  
156, 146) }
```

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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