

Converting Colors

XYZ(31.0463, 31.2661, 35.8511)

Have a look what the booklet for
XYZ(31.0463, 31.2661, 35.8511)
contains.

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Color

**XYZ(31.0463, 31.2661,
35.8511)**

Conversions

Conversions Part 1

Format	Color
Hex	9F959C
RGB	159, 149, 156
RGB Percent	62%, 58%, 61%
CMY	0.3765, 0.4157, 0.3882
CMYK	0.00, 0.06, 0.02, 0.38
HSL	318°, 5%, 60%
HSV	318°, 6%, 62%
XYZ	31.0463, 31.2661, 35.8511
YIQ	152.7880, 3.7130, 4.2970

Conversions

Conversions Part 2

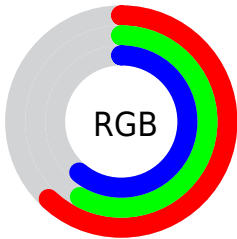
Format	Color
R _Y B	159, 149, 156
Decimal	10458524
CIE Lab	62.73, 4.98, -2.36
CIE LCh	63, 5.516, 334.652
Yxy	31.2661, 0.3163, 0.3185
Android (android.graphics.Color)	4288648604 (0xFF9F959C)
YUV	152.7880, 1.5835, 5.4479
Hunter-Lab	55.9161, 1.2554, 1.1270

Details

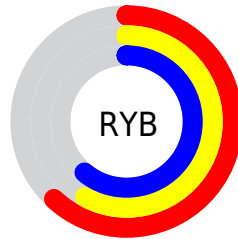
The XYZ color **31.0463, 31.2661, 35.8511** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.4613, 33.4538, 34.5592**, and the grayscale version is **30.1791, 31.7507, 34.5765**.

A 20% lighter version of the original color is **60.7204, 61.6612, 69.6743**, and **13.1018, 12.9434, 15.1724** is the 20% darker color. If you saturate the color by 10%, you get **28.3046, 26.4163, 32.9829**, and if you desaturate by 10%, it is **34.1491, 36.8118, 38.9187**.

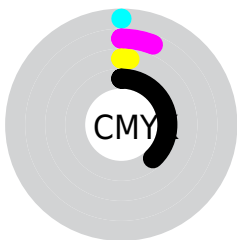
Distribution



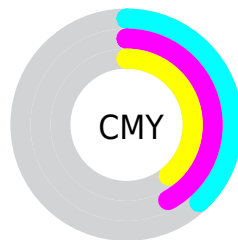
- Red (62%)
- Green (58%)
- Blue (61%)



- Red (62%)
- Yellow (58%)
- Blue (61%)



- Cyan (0%)
- Magenta (6%)
- Yellow (2%)
- Black (38%)



- Cyan (38%)
- Magenta (42%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0463, 31.2661, 35.8511 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 31.0463, 31.2661, 35.8511 by changing the saturation by 10% instead.

■ 31.0463, 31.2661,
35.8511

■ 31.0463, 31.2661,
35.8511

298.5746,
307.7624, 343.3270

■ 20.7861, 20.8016,
24.0304

■ 60.6883, 61.6588,
69.9686

■ 13.0793, 12.9790,
15.1438

■ 80.8008, 82.3557,
93.1026

■ 7.5606, 7.4141,
8.7726

104.9282,
107.2322, 120.8447

■ 3.8645, 3.7224,
4.4984

133.4357,
136.6727, 153.6136

■ 1.6258, 1.5195,
1.9025

166.6887,
171.0616, 191.8277

■ 0.4091, 0.3024,
0.4944

205.0527,

■ 0.0000, 0.0000,

210.7832, 235.9056

0.0000

248.8929,
256.2220, 286.2658

■ 31.0463, 31.2661,
35.8511

■ 31.0463, 31.2661,
35.8511

■ 28.3046, 26.4163,
32.9829

■ 34.1491, 36.8118,
38.9187

■ 25.9073, 22.2307,
30.3066

■ 37.6236, 43.0756,
42.1891

■ 23.8404, 18.6810,
27.8170

■ 41.4831, 50.0836,
45.6679

■ 22.0879, 15.7354,
25.5077

■ 45.7396, 57.8593,
49.3599

■ 20.6321, 13.3593,
23.3721

■ 50.4046, 66.4253,
53.2698

■ 19.4541, 11.5146,
21.4028

■ 55.4889, 75.8033,
57.4020

■ 18.5321, 10.1584,
19.5916

■ 59.2875, 82.5827,
61.1890

■ 17.8412, 9.2413,
17.9292

■ 59.8156, 82.7940,
63.9701

■ 17.3462, 8.6927,
16.4028

■ 60.3609, 83.0121,
66.8418

Harmonies

Analogous

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



30.5490, 31.2661, 37.5725



31.0463, 31.2661, 35.8511



31.1852, 31.2661, 33.7080

Triad

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



31.0463, 31.2661, 35.8511



29.6001, 31.2661, 30.0726



28.5414, 31.2661, 36.4579

Complementary

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



31.0463, 31.2661, 35.8511



30.4613, 33.4538, 34.5592

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.



28.2966, 31.2661, 34.3812



31.0463, 31.2661, 35.8511



28.9012, 31.2661, 30.7426

Square

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



31.0463, 31.2661, 35.8511



30.3421, 31.2661, 30.4292



28.4271, 31.2661, 32.2976



29.1015, 31.2661, 37.9331

Rectangle

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



31.0463, 31.2661, 35.8511



31.0540, 31.2661, 32.3417



28.4271, 31.2661, 32.2976



28.4199, 31.2661, 35.8039

Sweetspot

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



31.0472, 31.2675, 35.8518



57.8825, 60.0614, 66.4964



29.9556, 30.6750, 37.1435



13.0643, 13.5672, 15.0062



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.



31.0472, 31.2675, 35.8518



54.6380, 54.2838, 63.2217



30.6325, 31.1016, 33.6682



6.8193, 6.7206, 7.8995



13.5907, 6.7408, 12.6274



0.2607, 0.1276, 0.3187

Inverse Universe

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



31.0472, 31.2675, 35.8518



54.6380, 54.2838, 63.2217



30.8794, 33.6210, 36.7611



6.8193, 6.7206, 7.8995



13.5907, 6.7408, 12.6274



0.2607, 0.1276, 0.3187

Previews

White Background



This preview shows how the XYZ color 31.0463, 31.2661, 35.8511 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 31.0463, 31.2661, 35.8511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

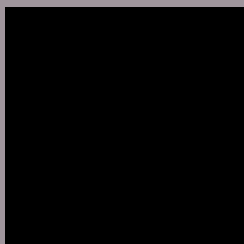
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0463, 31.2661, 35.8511

Background



This preview shows how black text looks on a background with the XYZ color 31.0463, 31.2661, 35.8511.



This preview shows how white text looks on a background with the XYZ color 31.0463, 31.2661,

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

31.0463, 31.2661, 35.8511

Protanopia

30.2893, 31.3398, 36.3511

Deuteranopia

31.7443, 31.1603, 35.7939



Tritanopia

31.4323, 31.1915, 37.6216

Trichromacy



Original Color

31.0463, 31.2661, 35.8511

Protanomaly

30.5097, 31.2156, 36.3155

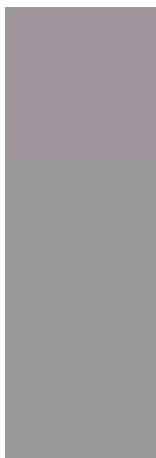
Deuteranomaly

31.4909, 31.2615, 35.8268

Tritanomaly

31.3451, 31.1566, 37.1626

Monochromacy



Original Color

31.0463, 31.2661, 35.8511

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.5785, 31.7581, 35.0901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0463, 31.2661, 35.8511 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(159, 149, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 149, 156) }
```

Border

The CSS property to change the border of an element to XYZ 31.0463, 31.2661, 35.8511 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, 156) }
```


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

```
.border{ border-color:rgb(159, 149, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 149, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 149, 156);  
box-shadow:4px 4px 4px 4px rgb(159, 149,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0463, 31.2661, 35.8511 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, 156) }
```

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

```
.background{ background-color: rgb(159,  
149, 156) }
```

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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