

Converting Colors

XYZ(30.9589, 33.3796, 33.0081)

Have a look what the booklet for
XYZ(30.9589, 33.3796, 33.0081)
contains.

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Color

**XYZ(31.0897, 33.5604,
32.8562)**

Conversions

Conversions Part 1

Format	Color
Hex	9B9E94
RGB	155, 158, 148
RGB Percent	61%, 62%, 58%
CMY	0.3922, 0.3804, 0.4196
CMYK	0.02, 0.00, 0.06, 0.38
HSL	78°, 5%, 60%
HSV	78°, 6%, 62%
XYZ	31.0897, 33.5604, 32.8562
YIQ	155.9630, 1.4220, -3.7460

Conversions

Conversions Part 2

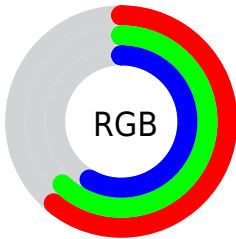
Format	Color
RYB	148, 158, 151
Decimal	10198676
CIELab	64.61, -2.96, 4.84
CIElCh	65, 5.673, 121.460
Yxy	33.5604, 0.3188, 0.3442
Android (android.graphics.Color)	4288388756 (0xFF9B9E94)
YUV	155.9630, -3.9258, -0.8446
Hunter-Lab	57.9313, -5.5852, 6.9252




Details

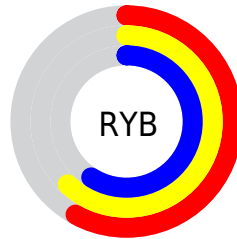
The XYZ color **31.0897, 33.5604, 32.8562** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.5253, 30.2287, 36.6281**, and the grayscale version is **31.6007, 33.2464, 36.2053**.




A 20% lighter version of the original color is **60.7494, 65.4081, 65.3003**, and **13.1243, 14.3215, 13.3819** is the 20% darker color. If you saturate the color by 10%, you get **29.0311, 32.6349, 26.6710**, and if you desaturate by 10%, it is **33.3567, 34.5755, 39.9438**.

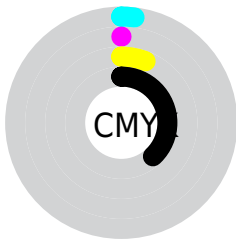
Distribution







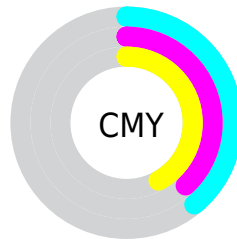
-  Red (61%)
-  Green (62%)
-  Blue (58%)






-  Red (58%)
-  Yellow (62%)
-  Blue (59%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0897, 33.5604, 32.8562 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 31.0897, 33.5604, 32.8562 by changing the saturation by 10% instead.

■ 31.0897, 33.5604,
32.8562

■ 31.0897, 33.5604,
32.8562

298.7709,
318.1674, 329.6134

■ 20.8193, 22.5561,
21.7461

■ 60.7561, 65.2495,
65.2644

■ 13.1037, 14.2661,
13.4739

■ 80.8829, 86.7030,
87.3995

■ 7.5775, 8.3060,
7.6211

105.0259,
112.4084, 114.0468

■ 3.8753, 4.2913,
3.7692

133.5504,
142.7501, 145.6247

■ 1.6318, 1.8378,
1.4996

166.8218,
178.1125, 182.5517

■ 0.4130, 0.5106,
0.2176

205.2054,

■ 0.0000, 0.0000,

218.8799, 225.2465

0.0000

249.0667,
265.4367, 274.1275

■ 31.0897, 33.5604,
32.8562

■ 31.0897, 33.5604,
32.8562

■ 29.0311, 32.6349,
26.6710

■ 33.3567, 34.5755,
39.9438

■ 27.1709, 31.7918,
21.3498

■ 35.8361, 35.6788,
47.9657

■ 25.5022, 31.0293,
16.8546

■ 38.5356, 36.8742,
56.9550

■ 24.0167, 30.3441,
13.1438

■ 41.4612, 38.1644,
66.9426

■ 22.7053, 29.7325,
10.1724

■ 44.6190, 39.5517,
77.9580

■ 21.5583, 29.1905,
7.8903

■ 48.0147, 41.0386,
90.0292

■ 20.5645, 28.7136,
6.2417

■ 51.0680, 42.3929,
100.0988

■ 19.7112, 28.2968,
5.1618

■ 52.2577, 43.0063,
100.1545

■ 18.9803, 27.9326,
4.5576

■ 53.4863, 43.6396,
100.2120

Harmonies

Analogous

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



31.8584, 33.5604, 32.2486



31.0897, 33.5604, 32.8562



30.5453, 33.5604, 34.4452

Triad

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



31.0897, 33.5604, 32.8562



31.1575, 33.5604, 40.6149



33.4856, 33.5604, 36.4277

Complementary

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



31.0897, 33.5604, 32.8562



29.5253, 30.2287, 36.6281

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.



33.2904, 33.5604, 38.7213



31.0897, 33.5604, 32.8562



31.9380, 33.5604, 41.1995

Square

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



31.0897, 33.5604, 32.8562



30.5839, 33.5604, 38.9269



32.7205, 33.5604, 40.4927



33.2495, 33.5604, 34.2558

Rectangle

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



31.0897, 33.5604, 32.8562



30.3780, 33.5604, 35.8811



32.7205, 33.5604, 40.4927



33.4682, 33.5604, 37.2101

Sweetspot

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



31.0906, 33.5619, 32.8569



58.1767, 61.7153, 64.9836



30.5137, 31.5415, 32.4974



13.1269, 13.9186, 14.6847



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.



31.0906, 33.5619, 32.8569



55.7470, 60.6260, 57.4939



30.1509, 33.0774, 32.8130



6.9761, 7.6203, 7.0889



15.0397, 22.2900, 3.5097



0.3092, 0.4193, 0.0646

Inverse Universe

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



29.5253, 30.2287, 36.6281



52.1290, 52.9216, 66.2108



30.4730, 30.7172, 36.6724



6.4627, 6.5270, 8.3259



5.9338, 2.4880, 26.0747



0.1459, 0.0650, 0.4681

Previews

White Background



This preview shows how the XYZ color 31.0897, 33.5604, 32.8562 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 31.0897, 33.5604, 32.8562 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 31.0897, 33.5604, 32.8562

Background



This preview shows how black text looks on a background with the XYZ color 31.0897, 33.5604, 32.8562.



This preview shows how white text looks on a background with the XYZ color 31.0897, 33.5604,

32.8562.

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

31.0897, 33.5604, 32.8562

Protanopia

32.0552, 33.5649, 32.3929

Deuteranopia

33.9470, 33.3018, 33.0725



Tritanopia

32.7969, 33.5018, 41.2971

Trichromacy



Original Color

31.0897, 33.5604, 32.8562

Protanomaly

31.6215, 33.5915, 32.4209

Deuteranomaly

32.9168, 33.4966, 33.1644

Tritanomaly

32.1383, 33.4831, 38.0267

Monochromacy



Original Color

31.0897, 33.5604, 32.8562

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.5170, 33.4818, 34.9385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0897, 33.5604, 32.8562 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(155, 158, 148)` looks like.

```
.text, #text, p{  
    color:rgb(155, 158, 148)  
}
```

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(155, 158, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 158, 148) }
```

Border

The CSS property to change the border of an element to XYZ 31.0897, 33.5604, 32.8562 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(155, 158, 148) }
```


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

```
.border{ border-color:rgb(155, 158, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 158, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 158, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 158, 148);  
box-shadow:4px 4px 4px 4px rgb(155, 158,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0897, 33.5604, 32.8562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 158, 148) }
```

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

```
.background{ background-color: rgb(155,  
158, 148) }
```

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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