

Converting Colors

XYZ(31.5340, 33.9063, 29.6144)

Have a look what the booklet for
XYZ(31.5340, 33.9063, 29.6144)
contains.

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Color

**XYZ(31.4577, 33.8208,
29.6810)**

Conversions

Conversions Part 1

Format	Color
Hex	A09E8C
RGB	160, 158, 140
RGB Percent	63%, 62%, 55%
CMY	0.3725, 0.3804, 0.4510
CMYK	0.00, 0.01, 0.12, 0.37
HSL	54°, 10%, 59%
HSV	54°, 12%, 63%
XYZ	31.4577, 33.8208, 29.6810
YIQ	156.5460, 6.9700, -5.1740

Conversions

Conversions Part 2

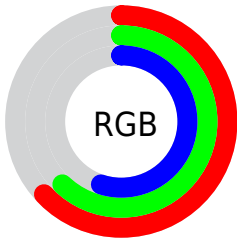
Format	Color
RYB	142, 160, 140
Decimal	10526348
CIELab	64.82, -2.50, 9.67
CIELCh	65, 9.985, 104.518
Yxy	33.8208, 0.3313, 0.3562
Android (android.graphics.Color)	4288716428 (0xFFA09E8C)
YUV	156.5460, -8.1572, 3.0292
Hunter-Lab	58.1557, -5.2177, 10.4490

Details

The XYZ color **31.4577, 33.8208, 29.6810** is a light color, and the websafe version is hex **999999**. A complement of this color would be **26.8333, 27.4589, 37.1438**, and the grayscale version is **31.8780, 33.5382, 36.5231**.

A 20% lighter version of the original color is **61.5562, 65.9306, 60.5205**, and **13.2875, 14.4417, 11.7601** is the 20% darker color. If you saturate the color by 10%, you get **30.0924, 32.8427, 23.8224**, and if you desaturate by 10%, it is **33.0000, 34.8776, 36.4458**.

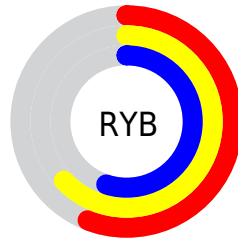
Distribution



Red (63%)

Green (62%)

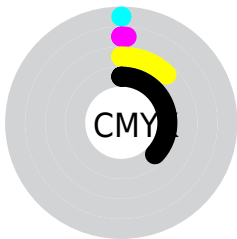
Blue (55%)



Red (56%)

Yellow (63%)

Blue (55%)

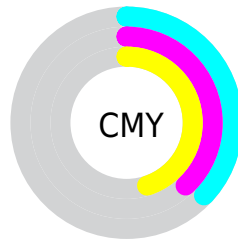


Cyan (0%)

Magenta (1%)

Yellow (12%)

Black (37%)



Cyan (37%)

Magenta (38%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4577, 33.8208, 29.6810 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 31.4577, 33.8208, 29.6810 by changing the saturation by 10% instead.

■ 31.4577, 33.8208,
29.6810

■ 31.4577, 33.8208,
29.6810

300.4308,
319.3323, 314.5756

■ 21.1012, 22.7560,
19.3466

■ 61.3309, 65.6549,
60.2124

■ 13.3108, 14.4134,
11.7416

■ 81.5783, 87.1930,
81.2464

■ 7.7214, 8.4088,
6.4476

■ 105.8533,
112.9909, 106.6841

■ 3.9675, 4.3576,
3.0460

134.5214,
143.4331, 136.9439

■ 1.6838, 1.8755,
1.1182

167.9478,
178.9039, 172.4444

■ 0.4461, 0.5336,
0.0000

206.4979,

■ 0.0000, 0.0000,

219.7878, 213.6042

0.0000

250.5371,
266.4691, 260.8417

■ 31.4577, 33.8208,
29.6810

■ 31.4577, 33.8208,
29.6810

■ 30.0924, 32.8427,
23.8224

■ 33.0000, 34.8776,
36.4458

■ 28.8939, 31.9358,
18.8290

■ 34.7234, 36.0114,
44.1512

■ 27.8552, 31.0985,
14.6599

■ 36.6355, 37.2264,
52.8323

■ 26.9678, 30.3274,
11.2701

■ 38.7425, 38.5251,
62.5218

■ 26.2222, 29.6185,
8.6100

■ 41.0502, 39.9098,
73.2510

■ 25.6081, 28.9677,
6.6246

■ 43.5644, 41.3829,
85.0497

■ 25.1133, 28.3703,
5.2511

■ 46.2905, 42.9466,
97.9466

■ 24.7238, 27.8204,
4.4146

■ 47.0690, 43.7370,
100.5690

■ 24.4750, 27.4290,
4.0044

■ 47.3720, 44.3430,
100.6700

Harmonies

Analogous

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



32.8891, 33.8208, 29.7109



31.4577, 33.8208, 29.6810



30.2463, 33.8208, 31.4641

Triad

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



31.4577, 33.8208, 29.6810



30.2148, 33.8208, 42.6589



34.8837, 33.8208, 38.9789

Complementary

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



31.4577, 33.8208, 29.6810



26.8333, 27.4589, 37.1438

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.



34.1229, 33.8208, 42.7629



31.4577, 33.8208, 29.6810



31.4135, 33.8208, 44.9930

Square

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



31.4577, 33.8208, 29.6810



29.5434, 33.8208, 38.8454



32.8436, 33.8208, 45.0324



34.8964, 33.8208, 34.8761

Rectangle

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



31.4577, 33.8208, 29.6810



29.7144, 33.8208, 33.5233



32.8436, 33.8208, 45.0324



34.7060, 33.8208, 40.3369

Sweetspot

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



31.4586, 33.8223, 29.6817



59.4549, 63.0157, 64.1253



28.7582, 28.1832, 29.5158



12.9937, 13.7894, 13.8622



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.



31.4586, 33.8223, 29.6817



56.3960, 60.9014, 50.7629



30.2537, 33.7108, 29.7237



7.1136, 7.6071, 7.0791



19.0836, 21.4028, 3.1253



0.3559, 0.4121, 0.0608

Inverse Universe

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



26.8333, 27.4589, 37.1438



46.3170, 47.0353, 67.0241



27.9364, 27.5906, 37.1111



6.3354, 6.5365, 8.3344



5.1033, 2.2981, 26.0818



0.1050, 0.0685, 0.4709

Previews

White Background



This preview shows how the XYZ color 31.4577, 33.8208, 29.6810 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 31.4577, 33.8208, 29.6810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

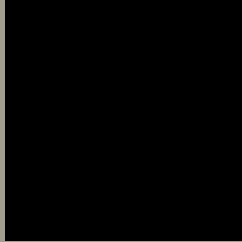
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

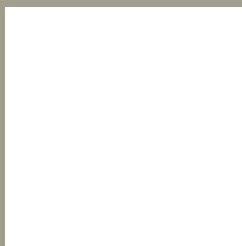
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4577, 33.8208, 29.6810

Background



This preview shows how black text looks on a background with the XYZ color 31.4577, 33.8208, 29.6810.



This preview shows how white text looks on a background with the XYZ color 31.4577, 33.8208,

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

31.4577, 33.8208, 29.6810

Protanopia

32.0270, 33.8705, 29.2758

Deuteranopia

34.3961, 33.8445, 29.9191



Tritanopia

33.7484, 33.7569, 40.8134

Trichromacy



Original Color

31.4577, 33.8208, 29.6810

Protanomaly

31.8214, 33.7646, 29.2661

Deuteranomaly

33.1579, 33.6922, 29.9549

Tritanomaly

32.9114, 33.6635, 36.6614

Monochromacy



Original Color

31.4577, 33.8208, 29.6810

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.7434, 33.6174, 34.0939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4577, 33.8208, 29.6810 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, 158, 140)` looks like.

```
.text, #text, p{  
    color:rgb(160, 158, 140)  
}
```

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, 158, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 158, 140) }
```

Border

The CSS property to change the border of an element to XYZ 31.4577, 33.8208, 29.6810 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, 158, 140) }
```


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

```
.border{ border-color:rgb(160, 158, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 158, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 158, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 158, 140);  
box-shadow:4px 4px 4px 4px rgb(160, 158,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4577, 33.8208, 29.6810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 158, 140) }
```

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

```
.background{ background-color: rgb(160,  
158, 140) }
```

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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