

Converting Colors

XYZ(31.7409, 37.3228, 34.6134)

Have a look what the booklet for
XYZ(31.7409, 37.3228, 34.6134)
contains.

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Color

**XYZ(31.8259, 37.3799,
34.8158)**

Conversions

Conversions Part 1

Format	Color
Hex	91AB97
RGB	145, 171, 151
RGB Percent	57%, 67%, 59%
CMY	0.4314, 0.3294, 0.4078
CMYK	0.15, 0.00, 0.12, 0.33
HSL	134°, 13%, 62%
HSV	134°, 15%, 67%
XYZ	31.8259, 37.3799, 34.8158
YIQ	160.9460, -9.0760, -11.7320

Conversions

Conversions Part 2

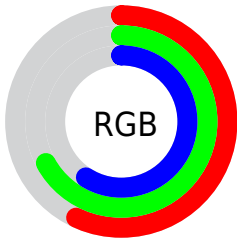
Format	Color
RYB	145, 166, 171
Decimal	9546647
CIELab	67.56, -12.97, 7.31
CIELCh	68, 14.890, 150.608
Yxy	37.3799, 0.3060, 0.3593
Android (android.graphics.Color)	4287736727 (0xFF91AB97)
YUV	160.9460, -4.9034, -13.9846
Hunter-Lab	61.1391, -14.0754, 9.0345

Details

The XYZ color **31.8259, 37.3799, 34.8158** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.7129, 31.6263, 39.9267**, and the grayscale version is **33.8771, 35.6413, 38.8134**.

A 20% lighter version of the original color is **61.7690, 70.9426, 68.1953**, and **13.5132, 16.4934, 14.5279** is the 20% darker color. If you saturate the color by 10%, you get **28.0272, 35.5393, 29.3692**, and if you desaturate by 10%, it is **36.1995, 39.5052, 40.9132**.

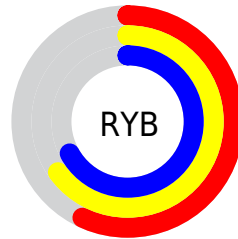
Distribution



Red (57%)

Green (67%)

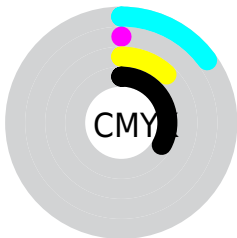
Blue (59%)



Red (57%)

Yellow (65%)

Blue (67%)

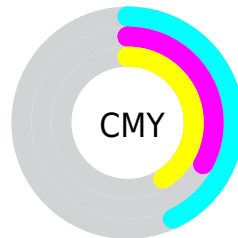


Cyan (15%)

Magenta (0%)

Yellow (12%)

Black (33%)



Cyan (43%)

Magenta (33%)

Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8259, 37.3799, 34.8158 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 31.8259, 37.3799, 34.8158 by changing the saturation by 10% instead.

■ 31.8259, 37.3799,
34.8158

■ 31.8259, 37.3799,
34.8158

302.0848,
334.9524, 338.6341

■ 21.3835, 25.5018,
23.2386

■ 61.9051, 71.1567,
68.3486

■ 13.5186, 16.4513,
14.5628

■ 82.2726, 93.8241,
91.1414

■ 7.8661, 9.8441,
8.3700

106.6791,
120.8568, 118.5097

■ 4.0605, 5.2957,
4.2414

135.4900,
152.6391, 150.8721

■ 1.7364, 2.4218,
1.7587

169.0707,
189.5554, 188.6473

■ 0.4789, 0.8371,
0.4005

207.7864,

■ 0.0000, 0.0000,

231.9901, 232.2536

0.0000

252.0027,
280.3276, 282.1097

■ 31.8259, 37.3799,
34.8158

■ 31.8259, 37.3799,
34.8158

■ 28.0272, 35.5393,
29.3692

■ 36.1995, 39.5052,
40.9132

■ 24.7761, 33.9666,
24.5495

■ 41.1676, 41.9217,
47.6793

■ 22.0480, 32.6507,
20.3348

■ 46.7525, 44.6416,
55.1346

■ 19.8147, 31.5775,
16.7011

■ 52.9747, 47.6750,
63.2978

■ 18.0458, 30.7319,
13.6228

■ 59.8535, 51.0316,
72.1870

■ 16.7070, 30.0968,
11.0723

■ 67.4075, 54.7204,
81.8195

■ 15.7593, 29.6526,
9.0197

■ 71.9938, 56.8633,
92.0409

■ 15.1548, 29.3755,
7.4319

■ 73.8536, 57.6072,
101.8345

■ 14.9375, 29.2767,
6.8232

Harmonies

Analogous

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



33.3318, 37.3799, 30.7766



31.8259, 37.3799, 34.8158



31.3020, 37.3799, 40.8345

Triad

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



31.8259, 37.3799, 34.8158



35.5753, 37.3799, 54.6682



39.4574, 37.3799, 34.6071

Complementary

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



31.8259, 37.3799, 34.8158



33.7129, 31.6263, 39.9267

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.



40.1193, 37.3799, 40.5665



31.8259, 37.3799, 34.8158



37.8196, 37.3799, 52.5564

Square

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



31.8259, 37.3799, 34.8158



33.4095, 37.3799, 52.7154



39.5076, 37.3799, 47.2132



37.7352, 37.3799, 30.6656

Rectangle

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



31.8259, 37.3799, 34.8158



31.5616, 37.3799, 45.3057



39.5076, 37.3799, 47.2132



39.8145, 37.3799, 36.4182

Sweetspot

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



31.8269, 37.3815, 34.8166



64.9265, 70.7962, 73.4050



35.2686, 39.2106, 32.4982



14.3521, 15.7262, 16.1948



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.8269, 37.3815, 34.8166



54.7717, 65.8653, 59.1926



32.9089, 37.8143, 40.5144



7.9774, 8.9685, 8.9060



11.2775, 22.0763, 5.2349



0.3344, 0.6224, 0.2546

Inverse Universe

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



33.7129, 31.6263, 39.9267



58.7532, 53.7134, 69.9796



32.6187, 31.1887, 34.1652



8.2568, 8.1160, 9.6632



15.7976, 7.7816, 17.1114



0.4586, 0.2241, 0.5766

Previews

White Background



This preview shows how the XYZ color 31.8259, 37.3799, 34.8158 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 31.8259, 37.3799, 34.8158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

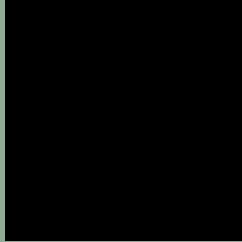
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8259, 37.3799, 34.8158

Background



This preview shows how black text looks on a background with the XYZ color 31.8259, 37.3799, 34.8158.



This preview shows how white text looks on a background with the XYZ color 31.8259, 37.3799,

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

31.8259, 37.3799, 34.8158

Protanopia

35.3365, 37.3154, 32.9439

Deuteranopia

37.9980, 37.3197, 35.7726



Tritanopia

34.6346, 37.4168, 48.5767

Trichromacy



Original Color

31.8259, 37.3799, 34.8158

Protanomaly

34.0643, 37.4569, 33.4515

Deuteranomaly

35.4245, 37.0403, 35.4194

Tritanomaly

33.3768, 37.1657, 42.9507

Monochromacy



Original Color

31.8259, 37.3799, 34.8158

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.0585, 36.3132, 37.1651

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8259, 37.3799, 34.8158 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(145, 171, 151)` looks like.

```
.text, #text, p{  
    color:rgb(145, 171, 151)  
}
```

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(145, 171, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 171, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.8259, 37.3799, 34.8158 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(145, 171, 151) }
```


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

```
.border{ border-color:rgb(145, 171, 151) }
```

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

Here you see how a box with a 4 pixel rgb(145, 171, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 171, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 171, 151);  
box-shadow:4px 4px 4px 4px rgb(145, 171,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8259, 37.3799, 34.8158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 171, 151) }
```

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

```
.background{ background-color: rgb(145,  
171, 151) }
```

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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