

Converting Colors

XYZ(33.9487, 37.2384, 38.2153)

Have a look what the booklet for
XYZ(33.9487, 37.2384, 38.2153)
contains.

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Color

**XYZ(33.9814, 37.3087,
38.2112)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA79F
RGB	157, 167, 159
RGB Percent	62%, 65%, 62%
CMY	0.3843, 0.3451, 0.3765
CMYK	0.06, 0.00, 0.05, 0.35
HSL	132°, 5%, 64%
HSV	132°, 6%, 65%
XYZ	33.9814, 37.3087, 38.2112
YIQ	163.0980, -3.3920, -4.6080

Conversions

Conversions Part 2

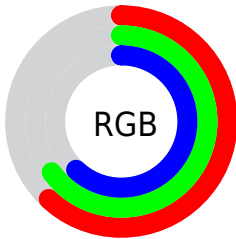
Format	Color
RYB	157, 165, 167
Decimal	10332063
CIELab	67.51, -5.08, 2.91
CIELCh	68, 5.850, 150.200
Yxy	37.3087, 0.3103, 0.3407
Android (android.graphics.Color)	4288522143 (0xFF9DA79F)
YUV	163.0980, -2.0203, -5.3479
Hunter-Lab	61.0808, -7.5857, 5.6657

Details

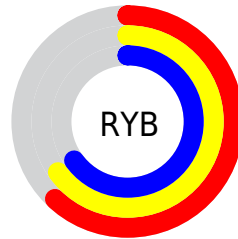
The XYZ color **33.9814, 37.3087, 38.2112** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.7863, 35.0471, 40.5305**, and the grayscale version is **34.8703, 36.6863, 39.9513**.

A 20% lighter version of the original color is **65.4103, 71.0946, 73.8935**, and **14.7814, 16.4083, 16.5754** is the 20% darker color. If you saturate the color by 10%, you get **29.8458, 35.3046, 32.2889**, and if you desaturate by 10%, it is **38.6899, 39.5958, 44.8162**.

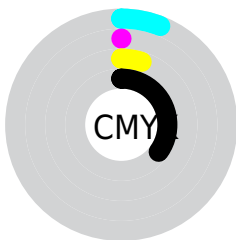
Distribution



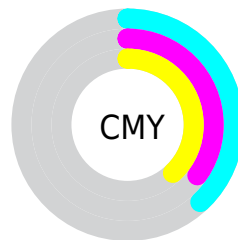
- Red (62%)
- Green (65%)
- Blue (62%)



- Red (62%)
- Yellow (65%)
- Blue (65%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (35%)



- Cyan (38%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9814, 37.3087, 38.2112 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 33.9814, 37.3087, 38.2112 by changing the saturation by 10% instead.

■ 33.9814, 37.3087,
38.2112

■ 33.9814, 37.3087,
38.2112

311.6365,
334.6451, 353.8504

■ 23.0421, 25.4466,
25.8435

■ 65.2492, 71.0473,
73.6387

■ 14.7455, 16.4101,
16.4819

■ 86.3085, 93.6926,
97.5357

■ 8.7261, 9.8148,
9.7078

111.4718,
120.7011, 126.1129

■ 4.6186, 5.2763,
5.1026

141.1045,
152.4572, 159.7888

■ 2.0577, 2.4103,
2.2478

175.5720,
189.3452, 198.9819

■ 0.6661, 0.8312,
0.7017

215.2396,

■ 0.0000, 0.0000,

231.7496, 244.1109

0.0000

260.4726,
280.0548, 295.5942

■ 33.9814, 37.3087,
38.2112

■ 33.9814, 37.3087,
38.2112

■ 29.8458, 35.3046,
32.2889

■ 38.6899, 39.5958,
44.8162

■ 26.2579, 33.5678,
27.0251

■ 43.9888, 42.1713,
52.1222

■ 23.1956, 32.0883,
22.3978

■ 49.8990, 45.0465,
60.1498

■ 20.6338, 30.8539,
18.3827

■ 56.4390, 48.2307,
68.9182

■ 18.5453, 29.8510,
14.9541

■ 63.6269, 51.7328,
78.4457

■ 16.9005, 29.0648,
12.0846

■ 70.6645, 55.1408,
88.7118

■ 15.6662, 28.4790,
9.7442

■ 72.7144, 55.9608,
99.5065

■ 14.8043, 28.0746,
7.9005

■ 73.1094, 56.1188,
101.5865

■ 14.2653, 27.8268,
6.5169

Harmonies

Analogous

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



34.5981, 37.3087, 36.4915



33.9814, 37.3087, 38.2112



33.7597, 37.3087, 40.6402

Triad

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



33.9814, 37.3087, 38.2112



35.4668, 37.3087, 45.7788



36.9763, 37.3087, 38.1824

Complementary

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



33.9814, 37.3087, 38.2112



34.7863, 35.0471, 40.5305

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.



37.2182, 37.3087, 40.6055



33.9814, 37.3087, 38.2112



36.3377, 37.3087, 45.0548

Square

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



33.9814, 37.3087, 38.2112



34.6084, 37.3087, 45.0734



36.9825, 37.3087, 43.1339



36.3271, 37.3087, 36.4754

Rectangle

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



33.9814, 37.3087, 38.2112



33.8627, 37.3087, 42.3569



36.9825, 37.3087, 43.1339



37.1084, 37.3087, 38.9368

Sweetspot

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



33.9824, 37.3103, 38.2120



64.0657, 68.3741, 72.9593



35.4578, 38.0907, 37.3824



14.3580, 15.3112, 16.3568



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.9824, 37.3103, 38.2120



59.9639, 66.3836, 67.1646



34.4104, 37.4815, 40.4656



7.6791, 8.5203, 8.5920



10.8031, 21.2400, 4.7300



0.2796, 0.5235, 0.2034

Inverse Universe

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



34.7863, 35.0471, 40.5305



61.6640, 61.5971, 72.0681



34.3543, 34.8743, 38.2560



7.9066, 7.8797, 9.2482



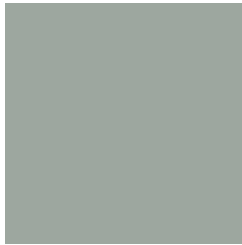
15.4843, 7.6024, 17.8938



0.3926, 0.1913, 0.5191

Previews

White Background



This preview shows how the XYZ color 33.9814, 37.3087, 38.2112 looks on a white background.

Color Contrast Check

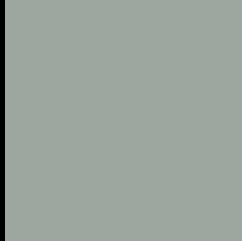
Large Text (above 18pt) WCAG AA × Fail

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 33.9814, 37.3087, 38.2112 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

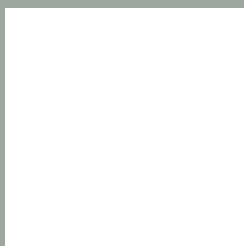
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9814, 37.3087, 38.2112

Background



This preview shows how black text looks on a background with the XYZ color 33.9814, 37.3087, 38.2112.



This preview shows how white text looks on a background with the XYZ color 33.9814, 37.3087,

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

33.9814, 37.3087, 38.2112

Protanopia

35.7234, 37.4203, 37.2383

Deuteranopia

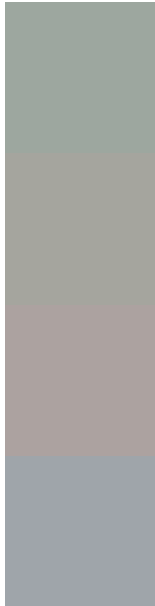
37.8872, 37.1932, 38.9004



Tritanopia

35.7085, 37.1988, 46.8930

Trichromacy



Original Color

33.9814, 37.3087, 38.2112

Protanomaly

35.1437, 37.3782, 37.7102

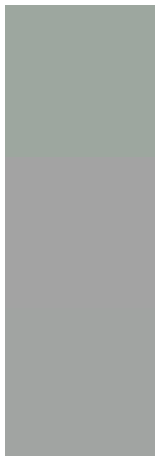
Deuteranomaly

36.2788, 37.1494, 38.5162

Tritanomaly

35.0089, 37.1835, 43.3622

Monochromacy



Original Color

33.9814, 37.3087, 38.2112

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4950, 36.7366, 39.4552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9814, 37.3087, 38.2112 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(157, 167, 159)` looks like.

```
.text, #text, p{  
    color:rgb(157, 167, 159)  
}
```

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(157, 167, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 167, 159) }
```

Border

The CSS property to change the border of an element to XYZ 33.9814, 37.3087, 38.2112 is called "border". The border property can be set on classes, ids or directly on the HTML element.

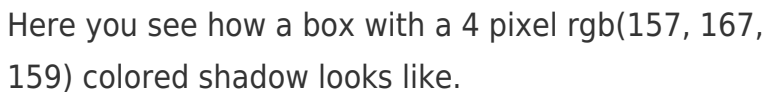
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 167, 159) }
```


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

```
.border{ border-color:rgb(157, 167, 159) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 167, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 167, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 167, 159); box-shadow:4px 4px 4px 4px rgb(157, 167, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9814, 37.3087, 38.2112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 167, 159) }
```

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

```
.background{ background-color: rgb(157,  
167, 159) }
```

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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