

Converting Colors

XYZ(31.8282, 35.3234, 34.4902)

Have a look what the booklet for
XYZ(31.8282, 35.3234, 34.4902)
contains.

XYZ(31.8200, 35.2011, 34.3955)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.8200, 35.2011,
34.3955)**

Conversions

Conversions Part 1

Format	Color
Hex	99A397
RGB	153, 163, 151
RGB Percent	60%, 64%, 59%
CMY	0.4000, 0.3608, 0.4078
CMYK	0.06, 0.00, 0.07, 0.36
HSL	110°, 6%, 62%
HSV	110°, 7%, 64%
XYZ	31.8200, 35.2011, 34.3955
YIQ	158.6420, -2.1080, -5.8520

Conversions

Conversions Part 2

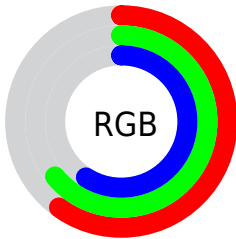
Format	Color
RYB	151, 163, 161
Decimal	10068887
CIELab	65.90, -5.86, 5.00
CIELCh	66, 7.704, 139.483
Yxy	35.2011, 0.3138, 0.3471
Android (android.graphics.Color)	4288258967 (0xFF99A397)
YUV	158.6420, -3.7675, -4.9480
Hunter-Lab	59.3305, -8.0957, 7.1593

Details

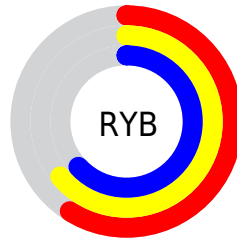
The XYZ color **31.8200, 35.2011, 34.3955** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3768, 32.3555, 39.1910**, and the grayscale version is **32.8094, 34.5181, 37.5902**.

A 20% lighter version of the original color is **61.8230, 67.8160, 67.5890**, and **13.4642, 15.1138, 14.2642** is the 20% darker color. If you saturate the color by 10%, you get **28.1672, 33.4616, 27.7855**, and if you desaturate by 10%, it is **35.9498, 37.1674, 41.9848**.

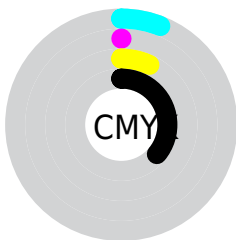
Distribution



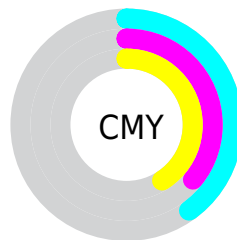
- Red (60%)
- Green (64%)
- Blue (59%)



- Red (59%)
- Yellow (64%)
- Blue (63%)



- Cyan (6%)
- Magenta (0%)
- Yellow (7%)
- Black (36%)



- Cyan (40%)
- Magenta (36%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8200, 35.2011, 34.3955 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 31.8200, 35.2011, 34.3955 by changing the saturation by 10% instead.

■ 31.8200, 35.2011,
34.3955

■ 31.8200, 35.2011,
34.3955

302.0584,
325.4551, 336.7148

■ 21.3789, 23.8178,
22.9178

■ 61.8959, 67.7972,
67.6891

■ 13.5153, 15.1985,
14.3281

■ 82.2614, 89.7788,
90.3422

■ 7.8638, 8.9588,
8.2079

106.6658,
116.0620, 117.5573

■ 4.0590, 4.7143,
4.1386

135.4745,
147.0311, 149.7532

■ 1.7356, 2.0807,
1.7017

169.0527,
183.0706, 187.3484

■ 0.4784, 0.6537,
0.3619

207.7658,

■ 0.0000, 0.0000,

224.5648, 230.7614

0.0000

251.9793,
271.8982, 280.4106

■ 31.8200, 35.2011,
34.3955

■ 31.8200, 35.2011,
34.3955

■ 28.1672, 33.4616,
27.7855

■ 35.9498, 37.1674,
41.9848

■ 24.9712, 31.9362,
22.1127

■ 40.5699, 39.3635,
50.5886

■ 22.2148, 30.6181,
17.3354

■ 45.6969, 41.7982,
60.2431

■ 19.8784, 29.4982,
13.4078

■ 51.3456, 44.4784,
70.9822

■ 17.9411, 28.5667,
10.2801

■ 57.5303, 47.4107,
82.8382

■ 16.3801, 27.8131,
7.8973

■ 64.2646, 50.6015,
95.8419

■ 15.1700, 27.2256,
6.1974

■ 69.8918, 53.3890,
101.2292

■ 14.2823, 26.7912,
5.1085

■ 72.3879, 54.6758,
101.3460

■ 13.6788, 26.4925,
4.5160

Harmonies

Analogous

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



32.7324, 35.2011, 32.7134



31.8200, 35.2011, 34.3955



31.3500, 35.2011, 37.1944

Triad

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



31.8200, 35.2011, 34.3955



33.0594, 35.2011, 44.8321



35.5652, 35.2011, 36.2737

Complementary

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



31.8200, 35.2011, 34.3955



32.3768, 32.3555, 39.1910

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.



35.6576, 35.2011, 39.4844



31.8200, 35.2011, 34.3955



34.1934, 35.2011, 44.5509

Square

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



31.8200, 35.2011, 34.3955



32.0547, 35.2011, 43.2971



35.1504, 35.2011, 42.5494



34.9008, 35.2011, 33.7544

Rectangle

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



31.8200, 35.2011, 34.3955



31.3434, 35.2011, 39.3708



35.1504, 35.2011, 42.5494



35.6647, 35.2011, 37.3038

Sweetspot

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



31.8210, 35.2026, 34.3963



60.8165, 64.8652, 68.6140



33.4366, 35.5123, 34.3709



13.6785, 14.5777, 15.4461



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



31.8210, 35.2026, 34.3963



55.7439, 62.4503, 59.3354



31.7772, 35.1418, 36.1195



7.0905, 7.9491, 7.5407



10.5609, 20.5548, 3.4109



0.2511, 0.4470, 0.0730

Inverse Universe

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



32.3768, 32.3555, 39.1910



56.9680, 56.1788, 69.8972



32.4301, 32.4238, 37.3514



7.2480, 7.1422, 8.8996



13.0415, 6.1296, 27.4255



0.3029, 0.1437, 0.5776

Previews

White Background



This preview shows how the XYZ color 31.8200, 35.2011, 34.3955 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 31.8200, 35.2011, 34.3955 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 31.8200, 35.2011, 34.3955

Background



This preview shows how black text looks on a background with the XYZ color 31.8200, 35.2011, 34.3955.



This preview shows how white text looks on a background with the XYZ color 31.8200, 35.2011,

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

31.8200, 35.2011, 34.3955

Protanopia

33.3400, 34.9655, 33.4256

Deuteranopia

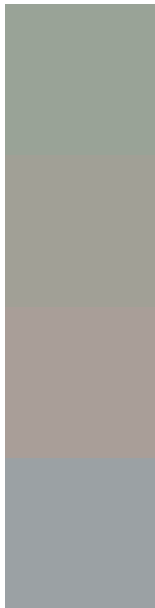
35.8312, 35.2076, 35.0442



Tritanopia

33.7275, 35.1881, 44.0441

Trichromacy



Original Color

31.8200, 35.2011, 34.3955

Protanomaly

32.7738, 34.9207, 33.8672

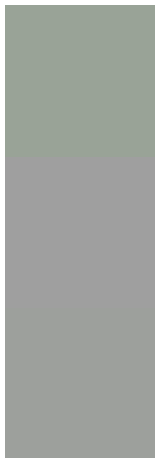
Deuteranomaly

34.2565, 35.1557, 34.6860

Tritanomaly

32.9633, 35.1386, 40.1670

Monochromacy



Original Color

31.8200, 35.2011, 34.3955

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.4762, 34.7100, 36.4405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8200, 35.2011, 34.3955 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(153, 163, 151)` looks like.

```
.text, #text, p{  
    color:rgb(153, 163, 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(153, 163, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 163, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.8200, 35.2011, 34.3955 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(153, 163, 151) }
```


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

```
.border{ border-color:rgb(153, 163, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 163, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 163, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 163, 151);  
box-shadow:4px 4px 4px 4px rgb(153, 163,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8200, 35.2011, 34.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 163, 151) }
```

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

```
.background{ background-color: rgb(153,  
163, 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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