

Converting Colors

XYZ(31.9405, 49.7572, 34.0706)

Have a look what the booklet for
XYZ(31.9405, 49.7572, 34.0706)
contains.

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Color

**XYZ(31.8782, 49.7079,
33.9010)**

Conversions

Conversions Part 1

Format	Color
Hex	59D18F
RGB	89, 209, 143
RGB Percent	35%, 82%, 56%
CMY	0.6510, 0.1804, 0.4392
CMYK	0.57, 0.00, 0.32, 0.18
HSL	147°, 57%, 58%
HSV	147°, 57%, 82%
XYZ	31.8782, 49.7079, 33.9010
YIQ	165.5960, -50.3340, -45.9660

Conversions

Conversions Part 2

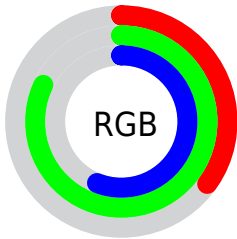
Format	Color
RYB	89, 172, 209
Decimal	5886351
CIELab	75.89, -48.68, 22.88
CIELCh	76, 53.789, 154.831
Yxy	49.7079, 0.2760, 0.4304
Android (android.graphics.Color)	4284076431 (0xFF59D18F)
YUV	165.5960, -11.1398, -67.1747
Hunter-Lab	70.5038, -42.6732, 20.8437

Details

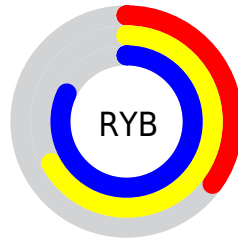
The XYZ color **31.8782, 49.7079, 33.9010** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **35.7849, 23.0677, 33.5787**, and the grayscale version is **36.1210, 38.0022, 41.3843**.

A 20% lighter version of the original color is **58.0508, 81.8471, 65.5618**, and **13.6125, 23.9484, 14.0303** is the 20% darker color. If you saturate the color by 10%, you get **29.3236, 48.4878, 29.4668**, and if you desaturate by 10%, it is **35.0940, 51.2612, 38.8342**.

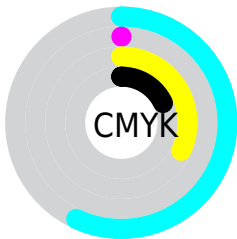
Distribution



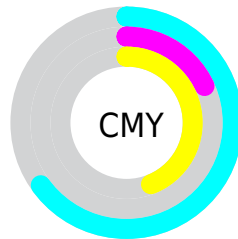
- Red (35%)
- Green (82%)
- Blue (56%)



- Red (35%)
- Yellow (67%)
- Blue (82%)



- Cyan (57%)
- Magenta (0%)
- Yellow (32%)
- Black (18%)





- Cyan (65%)
- Magenta (18%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8782, 49.7079, 33.9010 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 31.8782, 49.7079, 33.9010 by changing the saturation by 10% instead.


 31.8782, 49.7079,
33.9010


 31.8782, 49.7079,
33.9010


302.3192,
385.5226, 334.4461


 21.4236, 35.1814,
22.5408


 61.9866, 89.7419,
66.9118


 13.5482, 23.8026,
14.0527


 82.3711, 116.0182,
89.3995

 7.8867, 15.1873,
8.0182

 106.7962,
146.9799, 116.4335

 4.0737, 8.9509,
4.0186

 135.6273,
183.0113, 148.4323

 1.7439, 4.7092,
1.6356

169.2298,
224.4969, 185.8144

 0.4835, 2.0777,
0.3160

207.9691,

 0.0000, 0.6520,

271.8210, 228.9983

0.0000

252.2104,
325.3681, 278.4027

■ 0.0000, 0.0000,
0.0000

■ 31.8782, 49.7079,
33.9010

■ 31.8782, 49.7079,
33.9010

■ 29.3236, 48.4878,
29.4668

■ 35.0940, 51.2612,
38.8342

■ 27.3738, 47.5682,
25.5117

■ 39.0133, 53.1652,
44.2786

■ 25.9694, 46.9200,
22.0195

■ 43.6794, 55.4434,
50.2500

■ 25.0276, 46.5010,
18.9708

■ 49.1310, 58.1153,
56.7626

■ 24.8240, 46.4118,
18.2514

■ 55.4039, 61.1991,
63.8300

■ 62.5316, 64.7120,
71.4653

■ 70.5459, 68.6699,
79.6810

■ 79.0317, 72.8589,
88.4686

■ 80.7467, 73.5448,
97.4996

Harmonies

Analogous

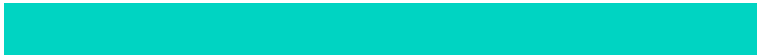
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.0825, 49.7079, 20.3123



31.8782, 49.7079, 33.9010



30.5440, 49.7079, 58.9003

Triad

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



31.8782, 49.7079, 33.9010



48.8856, 49.7079, 129.7336



64.8727, 49.7079, 28.3482

Complementary

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



31.8782, 49.7079, 33.9010



35.7849, 23.0677, 33.5787

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.



69.1388, 49.7079, 49.6121



31.8782, 49.7079, 33.9010



59.1148, 49.7079, 113.1557

Square

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



31.8782, 49.7079, 33.9010



39.5234, 49.7079, 120.9179



66.8961, 49.7079, 81.1163



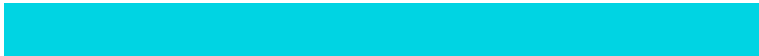
55.9140, 49.7079, 17.9912

Rectangle

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



31.8782, 49.7079, 33.9010



31.8413, 49.7079, 80.7313



66.8961, 49.7079, 81.1163



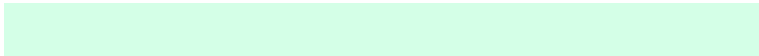
66.9565, 49.7079, 34.1170

Sweetspot

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



31.8795, 49.7099, 33.9021



77.2566, 91.2435, 89.2576



38.5099, 53.4924, 17.7472



16.1410, 19.3360, 18.6448



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.8795, 49.7099, 33.9021



45.1796, 75.6608, 44.6726



37.4645, 51.9439, 63.3121



11.8743, 13.2935, 13.6943



15.3533, 28.6343, 11.5068



0.8982, 1.6169, 0.8526

Inverse Universe

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



35.7849, 23.0677, 33.5787



51.8587, 29.9868, 44.0379



32.0259, 21.5641, 13.7843



12.0769, 11.9155, 13.6808



18.1690, 9.1405, 11.0622



1.0556, 0.5270, 0.8276

Previews

White Background



This preview shows how the XYZ color 31.8782, 49.7079, 33.9010 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 31.8782, 49.7079, 33.9010 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 31.8782, 49.7079, 33.9010

Background



This preview shows how black text looks on a background with the XYZ color 31.8782, 49.7079, 33.9010.



This preview shows how white text looks on a background with the XYZ color 31.8782, 49.7079,

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

31.8782, 49.7079, 33.9010

Protanopia

45.6120, 49.0906, 29.2617

Deuteranopia

49.7443, 48.6417, 35.6211



Tritanopia

39.6045, 49.6459, 72.4610

Trichromacy



Original Color

31.8782, 49.7079, 33.9010



Protanomaly

38.3043, 47.8633, 30.8866



Deuteranomaly

40.0416, 47.0478, 34.5745



Tritanomaly

36.1348, 49.2696, 55.7496

Monochromacy



Original Color

31.8782, 49.7079, 33.9010



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.3807, 41.3278, 38.5655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8782, 49.7079, 33.9010 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(89, 209, 143)` looks like.

```
.text, #text, p{  
    color:rgb(89, 209, 143)  
}
```

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(89, 209, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 209, 143) }
```

Border

The CSS property to change the border of an element to XYZ 31.8782, 49.7079, 33.9010 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(89, 209, 143) }
```


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

```
.border{ border-color:rgb(89, 209, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 209, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 209, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 209, 143);  
box-shadow:4px 4px 4px 4px rgb(89, 209,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8782, 49.7079, 33.9010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 209, 143) }
```

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

```
.background{ background-color: rgb(89, 209,  
143) }
```

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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