

Converting Colors

XYZ(31.9105, 39.0735, 31.1123)

Have a look what the booklet for
XYZ(31.9105, 39.0735, 31.1123)
contains.

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Color

**XYZ(31.8347, 38.9030,
31.0305)**

Conversions

Conversions Part 1

Format	Color
Hex	90B08D
RGB	144, 176, 141
RGB Percent	56%, 69%, 55%
CMY	0.4353, 0.3098, 0.4471
CMYK	0.18, 0.00, 0.20, 0.31
HSL	115°, 18%, 62%
HSV	115°, 20%, 69%
XYZ	31.8347, 38.9030, 31.0305
YIQ	162.4420, -7.8370, -17.6690

Conversions

Conversions Part 2

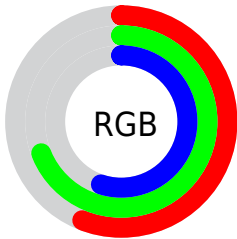
Format	Color
RYB	141, 176, 173
Decimal	9482381
CIELab	68.68, -17.77, 14.39
CIELCh	69, 22.862, 141.005
Yxy	38.9030, 0.3128, 0.3823
Android (android.graphics.Color)	4287672461 (0xFF90B08D)
YUV	162.4420, -10.5709, -16.1736
Hunter-Lab	62.3723, -18.0454, 14.1635

Details

The XYZ color **31.8347, 38.9030, 31.0305** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.5964, 31.0696, 45.2498**, and the grayscale version is **34.6016, 36.4036, 39.6435**.

A 20% lighter version of the original color is **61.9956, 73.6591, 62.5799**, and **13.4855, 17.2484, 12.5160** is the 20% darker color. If you saturate the color by 10%, you get **28.0149, 37.0744, 24.5504**, and if you desaturate by 10%, it is **36.2654, 41.0247, 38.6273**.

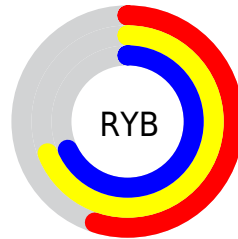
Distribution



Red (56%)

Green (69%)

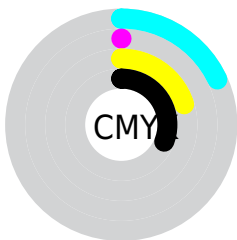
Blue (55%)



Red (55%)

Yellow (69%)

Blue (68%)

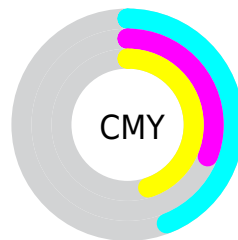


Cyan (18%)

Magenta (0%)

Yellow (20%)

Black (31%)



Cyan (44%)


Magenta (31%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8347, 38.9030, 31.0305 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 31.8347, 38.9030, 31.0305 by changing the saturation by 10% instead.


 31.8347, 38.9030,
31.0305


 31.8347, 38.9030,
31.0305


302.1243,
341.4779, 321.0344

 21.3902, 26.6843,
20.3634


 61.9188, 73.4901,
62.3682

 13.5236, 17.3362,
12.4728

 82.2891, 96.6273,
83.8760

 7.8696, 10.4745,
6.9401

 106.6988,
124.1727, 109.8343

 4.0627, 5.7147,
3.3468

135.5131,
156.5109, 140.6618

 1.7377, 2.6724,
1.2743

169.0974,
194.0260, 176.7770

 0.4797, 0.9632,
0.0406

207.8172,

 0.0000, 0.0000,

237.1027, 218.5985

0.0000

252.0377,
286.1252, 266.5448

■ 31.8347, 38.9030,
31.0305

■ 31.8347, 38.9030,
31.0305

■ 28.0149, 37.0744,
24.5504

■ 36.2654, 41.0247,
38.6273

■ 24.7761, 35.5214,
19.1319

■ 41.3290, 43.4464,
47.3871

■ 22.0909, 34.2320,
14.7192

■ 47.0500, 46.1810,
57.3569

■ 19.9280, 33.1915,
11.2505

■ 53.4509, 49.2390,
68.5802

■ 18.2533, 32.3838,
8.6568

■ 60.5530, 52.6305,
81.0985

■ 17.0285, 31.7909,
6.8601

■ 68.3767, 56.3653,
94.9512

■ 16.2095, 31.3920,
5.7686

■ 74.8161, 59.5321,
102.1554

■ 15.7285, 31.1563,
5.1905

■ 15.7244, 31.1544,
5.1846

Harmonies

Analogous

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



34.5411, 38.9030, 26.3654



31.8347, 38.9030, 31.0305



30.5293, 38.9030, 39.3230

Triad

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



31.8347, 38.9030, 31.0305



35.9004, 38.9030, 65.2094



43.8492, 38.9030, 35.6190

Complementary

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



31.8347, 38.9030, 31.0305



34.5964, 31.0696, 45.2498

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.



44.2721, 38.9030, 45.5469



31.8347, 38.9030, 31.0305



39.5230, 38.9030, 63.7833

Square

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



31.8347, 38.9030, 31.0305



32.7740, 38.9030, 59.7826



42.6433, 38.9030, 56.1546



41.5229, 38.9030, 28.6992

Rectangle

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



31.8347, 38.9030, 31.0305



30.5665, 38.9030, 46.2719



42.6433, 38.9030, 56.1546



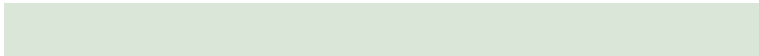
44.2244, 38.9030, 38.6727

Sweetspot

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



31.8357, 38.9047, 31.0314



69.1062, 75.9976, 75.8096



37.5617, 40.8507, 31.1052



14.8536, 16.4111, 16.2169



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.8357, 38.9047, 31.0314



54.4618, 68.9886, 50.7051



32.4274, 39.0816, 36.8458



8.4543, 9.5237, 9.0452



11.5589, 22.8689, 3.8049



0.3858, 0.7309, 0.1208

Inverse Universe

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



34.5964, 31.0696, 45.2498



60.4127, 52.0919, 81.3659



33.9523, 30.8895, 38.3565



8.7768, 8.6090, 10.7054



16.5460, 7.8656, 30.7831



0.5415, 0.2583, 0.9695

Previews

White Background



This preview shows how the XYZ color 31.8347, 38.9030, 31.0305 looks on a white background.

Color Contrast Check

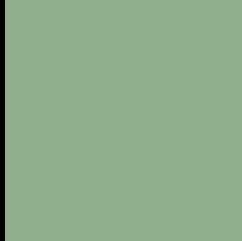
Large Text (above 18pt) WCAG AA × Fail

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 31.8347, 38.9030, 31.0305 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 31.8347, 38.9030, 31.0305

Background



This preview shows how black text looks on a background with the XYZ color 31.8347, 38.9030, 31.0305.



This preview shows how white text looks on a background with the XYZ color 31.8347, 38.9030,

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

31.8347, 38.9030, 31.0305

Protanopia

36.4655, 38.7907, 29.2323

Deuteranopia

39.2648, 38.5797, 31.7627



Tritanopia

35.7890, 38.7895, 50.9482

Trichromacy



Original Color

31.8347, 38.9030, 31.0305

Protanomaly

34.4792, 38.5838, 29.6749

Deuteranomaly

36.0497, 38.2543, 31.4704

Tritanomaly

34.0331, 38.6281, 42.7080

Monochromacy



Original Color

31.8347, 38.9030, 31.0305

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.1690, 36.9391, 35.9536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8347, 38.9030, 31.0305 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(144, 176, 141)` looks like.

```
.text, #text, p{  
    color:rgb(144, 176, 141)  
}
```

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(144, 176, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 176, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.8347, 38.9030, 31.0305 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(144, 176, 141) }
```


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

```
.border{ border-color:rgb(144, 176, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 176, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 176, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 176, 141);  
box-shadow:4px 4px 4px 4px rgb(144, 176,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8347, 38.9030, 31.0305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 176, 141) }
```

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

```
.background{ background-color: rgb(144,  
176, 141) }
```

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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