

Converting Colors

XYZ(31.0905, 38.9850, 31.3152)

Have a look what the booklet for
XYZ(31.0905, 38.9850, 31.3152)
contains.

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Color

**XYZ(31.1194, 39.1121,
31.5004)**

Conversions

Conversions Part 1

Format	Color
Hex	89B28E
RGB	137, 178, 142
RGB Percent	54%, 70%, 56%
CMY	0.4627, 0.3019, 0.4431
CMYK	0.23, 0.00, 0.20, 0.30
HSL	127°, 21%, 62%
HSV	127°, 23%, 70%
XYZ	31.1194, 39.1121, 31.5004
YIQ	161.6370, -12.8800, -19.8880

Conversions

Conversions Part 2

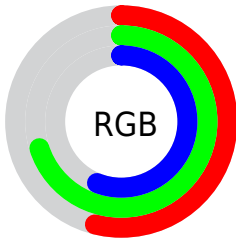
Format	Color
RYB	137, 174, 178
Decimal	9024142
CIELab	68.83, -21.04, 13.99
CIELCh	69, 25.266, 146.388
Yxy	39.1121, 0.3059, 0.3845
Android (android.graphics.Color)	4287214222 (0xFF89B28E)
YUV	161.6370, -9.6810, -21.6066
Hunter-Lab	62.5397, -20.6238, 13.9142

Details

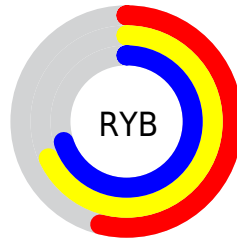
The XYZ color **31.1194, 39.1121, 31.5004** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.8499, 30.3743, 43.5629**, and the grayscale version is **34.2218, 36.0041, 39.2084**.

A 20% lighter version of the original color is **60.8725, 73.9075, 63.2818**, and **13.1031, 17.4184, 12.7967** is the 20% darker color. If you saturate the color by 10%, you get **27.3464, 37.2944, 25.6220**, and if you desaturate by 10%, it is **35.5405, 41.2471, 38.2698**.

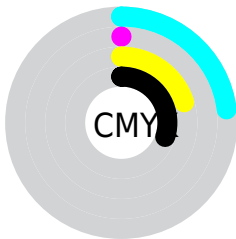
Distribution



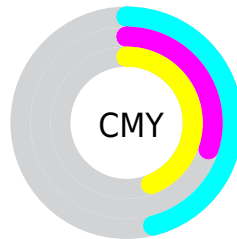
- Red (54%)
- Green (70%)
- Blue (56%)



- Red (54%)
- Yellow (68%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (30%)



- Cyan (46%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1194, 39.1121, 31.5004 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 31.1194, 39.1121, 31.5004 by changing the saturation by 10% instead.

■ 31.1194, 39.1121,
31.5004

■ 31.1194, 39.1121,
31.5004

298.9051,
342.3669, 323.2594

■ 20.8421, 26.8469,
20.7185

■ 60.8026, 73.8095,
63.1158

■ 13.1204, 17.4583,
12.7292

■ 80.9391, 97.0106,
84.7865

■ 7.5891, 10.5618,
7.1138

■ 105.0928,
124.6258, 110.9238

■ 3.8827, 5.7730,
3.4538

133.6289,
157.0394, 141.9463

■ 1.6360, 2.7075,
1.3308

166.9128,
194.6360, 178.2726

■ 0.4157, 0.9810,
0.0868

205.3099,

■ 0.0000, 0.0000,

237.7998, 220.3212

0.0000

249.1856,
286.9153, 268.5106

■ 31.1194, 39.1121,
31.5004

■ 31.1194, 39.1121,
31.5004

■ 27.3464, 37.2944,
25.6220

■ 35.5405, 41.2471,
38.2698

■ 24.1880, 35.7742,
20.5949

■ 40.6349, 43.7084,
45.9624

■ 21.6123, 34.5369,
16.3806

■ 46.4304, 46.5106,
54.6120

■ 19.5834, 33.5651,
12.9362

■ 52.9521, 49.6662,
64.2499

■ 18.0613, 32.8391,
10.2153

■ 60.2242, 53.1867,
74.9059

■ 17.0005, 32.3365,
8.1662

■ 68.2694, 57.0835,
86.6087

■ 16.3472, 32.0309,
6.7302

■ 74.6382, 60.0931,
99.2701

■ 16.0631, 31.8991,
6.0549

■ 75.2111, 60.3222,
102.2870

Harmonies

Analogous

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



33.8540, 39.1121, 25.7178



31.1194, 39.1121, 31.5004



30.0022, 39.1121, 41.2111

Triad

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



31.1194, 39.1121, 31.5004



36.6915, 39.1121, 68.6279



44.5142, 39.1121, 33.5114

Complementary

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



31.1194, 39.1121, 31.5004



34.8499, 30.3743, 43.5629

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.



45.4082, 39.1121, 43.9920



31.1194, 39.1121, 31.5004



40.7061, 39.1121, 65.5738

Square

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



31.1194, 39.1121, 31.5004



33.0701, 39.1121, 63.7372



43.9690, 39.1121, 56.0090



41.6060, 39.1121, 26.7240

Rectangle

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



31.1194, 39.1121, 31.5004



30.2611, 39.1121, 49.1216



43.9690, 39.1121, 56.0090



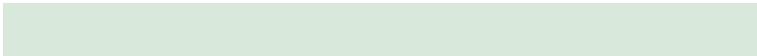
45.0688, 39.1121, 36.6582

Sweetspot

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



31.1204, 39.1138, 31.5013



69.7595, 77.3617, 77.4395



37.7188, 42.5578, 29.8938



15.3340, 17.0809, 16.9738



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



31.1204, 39.1138, 31.5013



52.5609, 69.0603, 51.1170



32.7849, 39.7795, 40.2662



8.4298, 9.5064, 9.2567



11.5059, 22.8283, 4.4008



0.3755, 0.7236, 0.2092

Inverse Universe

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



34.8499, 30.3743, 43.5629



60.5993, 50.2181, 77.1100



33.0333, 29.6477, 33.9969



8.8045, 8.6285, 10.4691



17.4638, 8.5031, 23.4001



0.5620, 0.2725, 0.8019

Previews

White Background



This preview shows how the XYZ color 31.1194, 39.1121, 31.5004 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 31.1194, 39.1121, 31.5004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

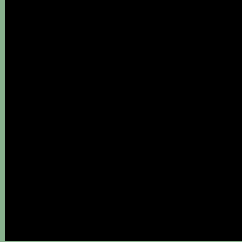
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1194, 39.1121, 31.5004

Background



This preview shows how black text looks on a background with the XYZ color 31.1194, 39.1121, 31.5004.



This preview shows how white text looks on a background with the XYZ color 31.1194, 39.1121,

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

31.1194, 39.1121, 31.5004

Protanopia

36.4655, 38.7907, 29.2323

Deuteranopia

39.4190, 38.6414, 32.5751



Tritanopia

35.2925, 39.0700, 52.1355

Trichromacy



Original Color

31.1194, 39.1121, 31.5004

Protanomaly

34.1234, 38.6713, 30.0919

Deuteranomaly

35.7241, 38.3397, 32.3055

Tritanomaly

33.5471, 38.9252, 43.7754

Monochromacy



Original Color

31.1194, 39.1121, 31.5004

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.0559, 37.1441, 36.4376

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1194, 39.1121, 31.5004 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(137, 178, 142)` looks like.

```
.text, #text, p{  
    color:rgb(137, 178, 142)  
}
```

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(137, 178, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 178, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.1194, 39.1121, 31.5004 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(137, 178, 142) }
```


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

```
.border{ border-color:rgb(137, 178, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 178, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 178, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 178, 142);  
box-shadow:4px 4px 4px 4px rgb(137, 178,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1194, 39.1121, 31.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 178, 142) }
```

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

```
.background{ background-color: rgb(137,  
178, 142) }
```

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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