

Converting Colors

XYZ(31.1027, 39.4104, 17.8854)

Have a look what the booklet for
XYZ(31.1027, 39.4104, 17.8854)
contains.

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Color

**XYZ(31.1214, 39.4170,
17.7724)**

Conversions

Conversions Part 1

Format	Color
Hex	98B263
RGB	152, 178, 99
RGB Percent	60%, 70%, 39%
CMY	0.4039, 0.3019, 0.6118
CMYK	0.15, 0.00, 0.44, 0.30
HSL	80°, 34%, 54%
HSV	80°, 44%, 70%
XYZ	31.1214, 39.4170, 17.7724
YIQ	161.2200, 9.8630, -30.0810

Conversions

Conversions Part 2

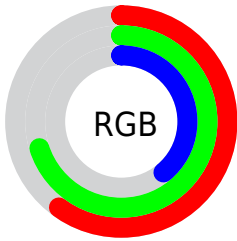
Format	Color
R _Y B	99, 178, 125
Decimal	10007139
CIE Lab	69.05, -21.98, 37.34
CIE LCh	69, 43.330, 120.485
Yxy	39.4170, 0.3524, 0.4463
Android (android.graphics.Color)	4288197219 (0xFF98B263)
YUV	161.2200, -30.6745, -8.0859
Hunter-Lab	62.7830, -21.3881, 27.1644

Details

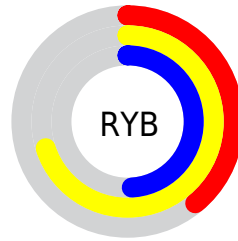
The XYZ color **31.1214, 39.4170, 17.7724** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **20.9568, 16.4991, 44.2018**, and the grayscale version is **34.1145, 35.8911, 39.0854**.

A 20% lighter version of the original color is **60.7409, 74.3454, 40.4269**, and **13.0549, 17.5502, 5.7171** is the 20% darker color. If you saturate the color by 10%, you get **29.2931, 38.5635, 13.7239**, and if you desaturate by 10%, it is **33.1934, 40.3770, 22.8130**.

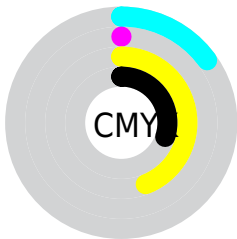
Distribution



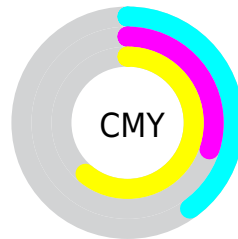
- Red (60%)
- Green (70%)
- Blue (39%)



- Red (39%)
- Yellow (70%)
- Blue (49%)



- Cyan (15%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)



- Cyan (40%)
- Magenta (30%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1214, 39.4170, 17.7724 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 31.1214, 39.4170, 17.7724 by changing the saturation by 10% instead.

■ 31.1214, 39.4170,
17.7724

■ 31.1214, 39.4170,
17.7724

298.9141,
343.6602, 251.7779

■ 20.8436, 27.0843,
10.6190

■ 60.8057, 74.2749,
40.4578

■ 13.1215, 17.6365,
5.7003

■ 80.9429, 97.5689,
56.8268

■ 7.5899, 10.6894,
2.5979

■ 105.0973,
125.2855, 77.1048

■ 3.8832, 5.8584,
0.8914

■ 133.6342,
157.8089, 101.7103

■ 1.6363, 2.7591,
0.0000

166.9189,
195.5237, 131.0618

■ 0.4159, 1.0073,
0.0000

205.3169,

■ 0.0000, 0.0000,

238.8143, 165.5779

0.0000

249.1936,
288.0650, 205.6771

■ 31.1214, 39.4170,
17.7724

■ 31.1214, 39.4170,
17.7724

■ 29.2931, 38.5635,
13.7239

■ 33.1934, 40.3770,
22.8130

■ 27.6924, 37.8058,
10.5994

■ 35.5183, 41.4431,
28.9028

■ 26.3055, 37.1397,
8.3260


■ 38.1082, 42.6217,
36.0977


■ 25.1155, 36.5583,
6.8189


■ 40.9736, 43.9170,
44.4488


■ 24.1021, 36.0535,
5.9759


■ 44.1243, 45.3330,
54.0040

 23.5857, 35.7936,
5.6658

 47.5696, 46.8736,
64.8087

 51.3182, 48.5422,
76.9055

 55.3787, 50.3424,
90.3355

 59.0743, 52.0036,
101.5319

Harmonies

Analogous

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



37.3523, 39.4170, 15.0084



31.1214, 39.4170, 17.7724



27.0526, 39.4170, 26.7714

Triad

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



31.1214, 39.4170, 17.7724



31.2938, 39.4170, 85.2694



52.3804, 39.4170, 42.5972

Complementary

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



31.1214, 39.4170, 17.7724



20.9568, 16.4991, 44.2018

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.



50.2548, 39.4170, 64.5223



31.1214, 39.4170, 17.7724



37.5772, 39.4170, 93.3104

Square

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



31.1214, 39.4170, 17.7724



27.1432, 39.4170, 65.2571



44.6161, 39.4170, 84.7615



50.1182, 39.4170, 26.3663

Rectangle

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



31.1214, 39.4170, 17.7724



25.8310, 39.4170, 36.9315



44.6161, 39.4170, 84.7615



52.1528, 39.4170, 49.5197

Sweetspot

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



31.1224, 39.4187, 17.7732



69.6787, 77.5487, 67.1008



27.8234, 24.7866, 15.1228



15.1971, 17.0720, 14.1817



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.



31.1224, 39.4187, 17.7732



53.2634, 69.9970, 25.1894



25.0462, 36.2864, 17.4889



8.9198, 9.7637, 9.0670



16.9434, 25.6447, 4.0569



0.5915, 0.8370, 0.1304

Inverse Universe

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



20.9568, 16.4991, 44.2018



32.5422, 23.2209, 79.1481



27.7094, 19.9802, 44.5178



8.2967, 8.3615, 10.6830



7.0830, 2.9872, 30.3403



0.2860, 0.1265, 0.9576

Previews

White Background



This preview shows how the XYZ color 31.1214, 39.4170, 17.7724 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 31.1214, 39.4170, 17.7724 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 31.1214, 39.4170, 17.7724

Background



This preview shows how black text looks on a background with the XYZ color 31.1214, 39.4170, 17.7724.



This preview shows how white text looks on a background with the XYZ color 31.1214, 39.4170,

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

31.1214, 39.4170, 17.7724

Protanopia

36.0758, 39.1458, 16.4810

Deuteranopia

40.0949, 39.3064, 18.3056



Tritanopia

37.5504, 39.1692, 49.8373

Trichromacy



Original Color

31.1214, 39.4170, 17.7724

Protanomaly

34.0974, 39.2338, 16.8421

Deuteranomaly

36.2246, 38.9110, 18.1717

Tritanomaly

34.7181, 39.1430, 35.4313

Monochromacy



Original Color

31.1214, 39.4170, 17.7724

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.5067, 36.7415, 29.4233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1214, 39.4170, 17.7724 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(152, 178, 99)` looks like.

```
.text, #text, p{  
    color:rgb(152, 178, 99)  
}
```

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(152, 178, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 178, 99) }
```

Border

The CSS property to change the border of an element to XYZ 31.1214, 39.4170, 17.7724 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(152, 178, 99) }
```


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

```
.border{ border-color:rgb(152, 178, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 178, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 178, 99); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 178, 99); box-shadow:4px 4px 4px 4px rgb(152, 178, 99) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1214, 39.4170, 17.7724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 178, 99) }
```

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

```
.background{ background-color: rgb(152,  
178, 99) }
```

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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