

Converting Colors

XYZ(31.1415, 38.4350, 24.1261)

Have a look what the booklet for
XYZ(31.1415, 38.4350, 24.1261)
contains.

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Color

**XYZ(31.0556, 38.3610,
24.1800)**

Conversions

Conversions Part 1

Format	Color
Hex	94AF7A
RGB	148, 175, 122
RGB Percent	58%, 69%, 48%
CMY	0.4196, 0.3137, 0.5216
CMYK	0.15, 0.00, 0.30, 0.31
HSL	91°, 25%, 58%
HSV	91°, 30%, 69%
XYZ	31.0556, 38.3610, 24.1800
YIQ	160.8850, 0.9210, -22.2070

Conversions

Conversions Part 2

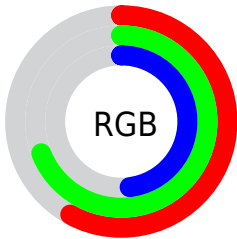
Format	Color
RYB	122, 175, 149
Decimal	9744250
CIELab	68.29, -18.92, 24.21
CIELCh	68, 30.724, 128.014
Yxy	38.3610, 0.3318, 0.4099
Android (android.graphics.Color)	4287934330 (0xFF94AF7A)
YUV	160.8850, -19.1703, -11.3001
Hunter-Lab	61.9363, -18.8864, 20.2085

Details

The XYZ color **31.0556, 38.3610, 24.1800** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **27.0934, 23.4049, 43.6491**, and the grayscale version is **33.9097, 35.6756, 38.8507**.

A 20% lighter version of the original color is **60.9424, 72.9435, 51.4249**, and **13.0919, 16.9415, 8.8833** is the 20% darker color. If you saturate the color by 10%, you get **28.5166, 37.1675, 18.9017**, and if you desaturate by 10%, it is **33.9161, 39.7000, 30.4942**.

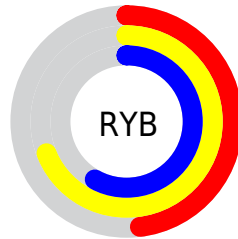
Distribution



Red (58%)

Green (69%)

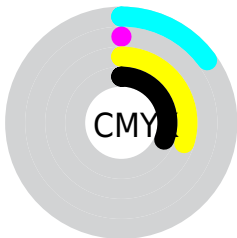
Blue (48%)



Red (48%)

Yellow (69%)

Blue (58%)

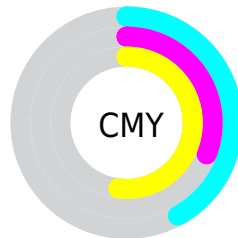


Cyan (15%)

Magenta (0%)

Yellow (30%)

Black (31%)



Cyan (42%)

Magenta (31%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0556, 38.3610, 24.1800 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 31.0556, 38.3610, 24.1800 by changing the saturation by 10% instead.


 31.0556, 38.3610,
24.1800


 31.0556, 38.3610,
24.1800


298.6167,
339.1660, 287.0451


 20.7932, 26.2630,
15.2538

 60.7028, 72.6611,
51.2713

 13.0845, 17.0205,
8.8491


 80.8184, 95.6320,
70.2734

 7.5642, 10.2491,
4.5474


 104.9491,
122.9960, 93.4713

 3.8668, 5.5644,
1.9302

133.4603,
155.1375, 121.2833

 1.6271, 2.5821,
0.5118

166.7173,
192.4408, 154.1282

 0.4100, 0.9177,
0.0000

205.0854,

 0.0000, 0.0000,

235.2904, 192.4245

0.0000

248.9301,
284.0707, 236.5905

■ 31.0556, 38.3610,
24.1800

■ 31.0556, 38.3610,
24.1800

■ 28.5166, 37.1675,
18.9017

■ 33.9161, 39.7000,
30.4942

■ 26.2829, 36.1088,
14.6015

■ 37.1076, 41.1849,
37.8932

■ 24.3411, 35.1807,
11.2197


■ 40.6428, 42.8221,
46.4254


■ 22.6756, 34.3763,
8.6890


■ 44.5325, 44.6165,
56.1359


■ 21.2686, 33.6884,
6.9330


■ 48.7875, 46.5724,
67.0672


 20.0999, 33.1084,
5.8615

 53.4177, 48.6943,
79.2597

 19.1541, 32.6325,
5.2892

 58.4328, 50.9862,
92.7519

 62.6933, 52.9927,
101.5321

 65.4535, 54.4156,
101.6612

Harmonies

Analogous

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



35.1864, 38.3610, 20.6438



31.0556, 38.3610, 24.1800



28.5384, 38.3610, 32.6148

Triad

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



31.0556, 38.3610, 24.1800



33.1063, 38.3610, 71.4653



46.4095, 38.3610, 38.1828

Complementary

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



31.0556, 38.3610, 24.1800



27.0934, 23.4049, 43.6491

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.



45.7289, 38.3610, 52.4925



31.0556, 38.3610, 24.1800



37.7659, 38.3610, 73.8778

Square

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



31.0556, 38.3610, 24.1800



29.6478, 38.3610, 60.3008



42.4598, 38.3610, 66.3106



44.2453, 38.3610, 27.4852

Rectangle

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



31.0556, 38.3610, 24.1800



27.9755, 38.3610, 40.8574



42.4598, 38.3610, 66.3106



46.5092, 38.3610, 42.6933

Sweetspot

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



31.0566, 38.3627, 24.1808



67.1396, 74.0745, 69.4863



31.8620, 31.8576, 22.8828



14.7301, 16.3746, 14.9878



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.



31.0566, 38.3627, 24.1808



52.6714, 67.3175, 37.1059



26.8700, 36.2044, 23.9849



8.2645, 9.1249, 8.5391



13.7869, 23.4045, 3.7909



0.4468, 0.6837, 0.1084

Inverse Universe

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



27.0934, 23.4049, 43.6491



44.4841, 36.4188, 77.3218



32.3781, 26.1293, 43.8965



7.9533, 7.9502, 10.0681



8.5738, 3.7798, 29.3222



0.3015, 0.1376, 0.8187

Previews

White Background



This preview shows how the XYZ color 31.0556, 38.3610, 24.1800 looks on a white background.

Color Contrast Check

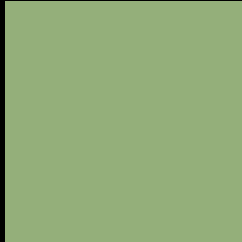
Large Text (above 18pt) WCAG AA × Fail

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 31.0556, 38.3610, 24.1800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

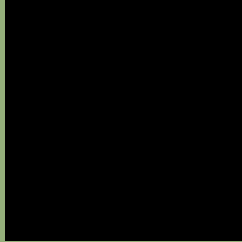
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0556, 38.3610, 24.1800

Background



This preview shows how black text looks on a background with the XYZ color 31.0556, 38.3610, 24.1800.



This preview shows how white text looks on a background with the XYZ color 31.0556, 38.3610,

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

31.0556, 38.3610, 24.1800

Protanopia

35.4966, 38.1641, 22.6351

Deuteranopia

38.8648, 38.0127, 24.6908



Tritanopia

36.2477, 38.5096, 49.2387

Trichromacy



Original Color

31.0556, 38.3610, 24.1800

Protanomaly

33.6662, 38.0327, 23.0194

Deuteranomaly

35.6836, 37.9492, 24.5130

Tritanomaly

34.2345, 38.5339, 38.8911

Monochromacy



Original Color

31.0556, 38.3610, 24.1800

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.6130, 36.4469, 32.9198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0556, 38.3610, 24.1800 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(148, 175, 122)` looks like.

```
.text, #text, p{  
    color:rgb(148, 175, 122)  
}
```

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(148, 175, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 175, 122) }
```

Border

The CSS property to change the border of an element to XYZ 31.0556, 38.3610, 24.1800 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(148, 175, 122) }
```


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

```
.border{ border-color:rgb(148, 175, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 175, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 175, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 175, 122);  
box-shadow:4px 4px 4px 4px rgb(148, 175,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0556, 38.3610, 24.1800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 175, 122) }
```

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

```
.background{ background-color: rgb(148,  
175, 122) }
```

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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