

Converting Colors

XYZ(31.8502, 38.7535, 38.1492)

Have a look what the booklet for
XYZ(31.8502, 38.7535, 38.1492)
contains.

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Color

**XYZ(31.8502, 38.7535,
38.1492)**

Conversions

Conversions Part 1

Format	Color
Hex	88B09E
RGB	136, 176, 158
RGB Percent	53%, 69%, 62%
CMY	0.4667, 0.3098, 0.3804
CMYK	0.23, 0.00, 0.10, 0.31
HSL	153°, 20%, 61%
HSV	153°, 23%, 69%
XYZ	31.8502, 38.7535, 38.1492
YIQ	161.9880, -18.0620, -14.0780

Conversions

Conversions Part 2

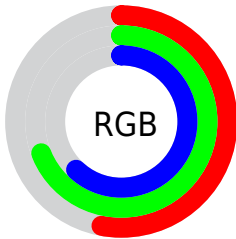
Format	Color
RYB	136, 162, 176
Decimal	8958110
CIELab	68.57, -17.24, 4.82
CIELCh	69, 17.905, 164.387
Yxy	38.7535, 0.2929, 0.3563
Android (android.graphics.Color)	4287148190 (0xFF88B09E)
YUV	161.9880, -1.9661, -22.7915
Hunter-Lab	62.2523, -17.6154, 7.2428

Details

The XYZ color **31.8502, 38.7535, 38.1492** is a light color, and the websafe version is hex **669999**. A complement of this color would be **32.5427, 29.1725, 34.4892**, and the grayscale version is **34.3528, 36.1419, 39.3585**.

A 20% lighter version of the original color is **62.1021, 73.4645, 73.8577**, and **13.4831, 17.1587, 16.5113** is the 20% darker color. If you saturate the color by 10%, you get **28.5633, 37.1364, 34.5508**, and if you desaturate by 10%, it is **35.6526, 40.6334, 42.0028**.

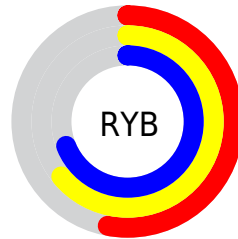
Distribution



Red (53%)

Green (69%)

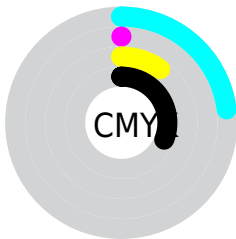
Blue (62%)



Red (53%)

Yellow (64%)

Blue (69%)

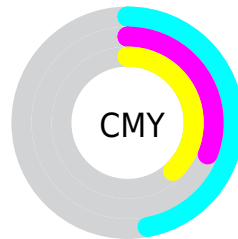


Cyan (23%)

Magenta (0%)

Yellow (10%)

Black (31%)



Cyan (47%)

Magenta (31%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8502, 38.7535, 38.1492 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 31.8502, 38.7535, 38.1492 by changing the saturation by 10% instead.

■ 31.8502, 38.7535,
38.1492

■ 31.8502, 38.7535,
38.1492

302.1937,
340.8413, 353.5769

■ 21.4021, 26.5680,
25.7958

■ 61.9430, 73.2616,
73.5427

■ 13.5324, 17.2491,
16.4465

■ 82.3183, 96.3530,
97.4199

■ 7.8757, 10.4122,
9.6829

■ 106.7335,
123.8485, 125.9754

■ 4.0666, 5.6731,
5.0864

135.5538,
156.1325, 159.6278

■ 1.7399, 2.6474,
2.2384

169.1446,
193.5894, 198.7956

■ 0.4810, 0.9505,
0.6964

207.8713,

■ 0.0000, 0.0000,

236.6036, 243.8974

0.0000

252.0992,
285.5594, 295.3516

■ 31.8502, 38.7535,
38.1492

■ 31.8502, 38.7535,
38.1492

■ 28.5633, 37.1364,
34.5508

■ 35.6526, 40.6334,
42.0028

■ 25.7651, 35.7651,
31.1995

■ 39.9894, 42.7826,
46.1143

■ 23.4308, 34.6281,
28.0907

■ 44.8824, 45.2133,
50.4894

■ 21.5324, 33.7111,
25.2185

■ 50.3514, 47.9355,
55.1332

■ 20.0386, 32.9979,
22.5767

■ 56.4150, 50.9589,
60.0502

■ 18.9137, 32.4704,
20.1588

■ 63.0911, 54.2925,
65.2452

■ 18.1150, 32.1065,
17.9578

■ 68.8331, 57.1389,
70.6494

■ 17.6742, 31.9114,
16.4874

■ 69.8662, 57.5522,
76.0898

■ 70.9492, 57.9853,
81.7927

Harmonies

Analogous

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



33.1665, 38.7535, 32.0340



31.8502, 38.7535, 38.1492



31.8229, 38.7535, 46.1771

Triad

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



31.8502, 38.7535, 38.1492



38.1991, 38.7535, 59.1142



40.8504, 38.7535, 32.2302

Complementary

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



31.8502, 38.7535, 38.1492



32.5427, 29.1725, 34.4892

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.



42.3454, 38.7535, 38.4505



31.8502, 38.7535, 38.1492



40.7625, 38.7535, 54.3074

Square

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



31.8502, 38.7535, 38.1492



35.3925, 38.7535, 59.0065



42.3124, 38.7535, 46.5193



38.3142, 38.7535, 28.9262

Rectangle

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



31.8502, 38.7535, 38.1492



32.5341, 38.7535, 51.5977



42.3124, 38.7535, 46.5193



41.4970, 38.7535, 34.0119

Sweetspot

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



31.8513, 38.7551, 38.1501



68.9459, 75.8154, 80.2973



33.4242, 39.7656, 29.2070



14.8434, 16.3817, 17.3087



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.



31.8513, 38.7551, 38.1501



54.8225, 68.8356, 66.0347



33.2563, 38.9008, 46.8320



8.5780, 9.5657, 10.0373



12.9971, 23.4248, 12.2537



0.4378, 0.7486, 0.5377

Inverse Universe

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



32.5427, 29.1725, 34.4892



56.2879, 48.5335, 58.2811



31.3427, 28.9948, 27.2377



8.6500, 8.5667, 9.6555



14.2066, 7.2002, 6.2477



0.4765, 0.2384, 0.3521

Previews

White Background



This preview shows how the XYZ color 31.8502, 38.7535, 38.1492 looks on a white background.

Color Contrast Check

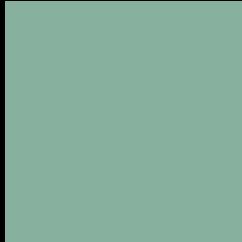
Large Text (above 18pt) WCAG AA × Fail

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 31.8502, 38.7535, 38.1492 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

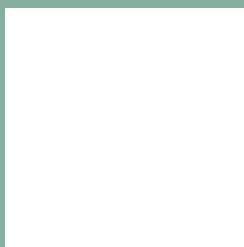
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8502, 38.7535, 38.1492

Background



This preview shows how black text looks on a background with the XYZ color 31.8502, 38.7535, 38.1492.

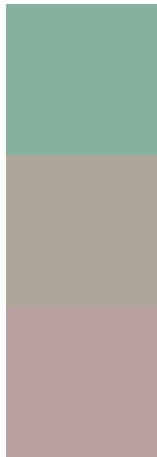


This preview shows how white text looks on a background with the XYZ color 31.8502, 38.7535,

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

31.8502, 38.7535, 38.1492

Protanopia

36.6196, 38.4566, 35.6298

Deuteranopia

39.1855, 38.3772, 39.0605



Tritanopia

34.6000, 38.7129, 52.1031

Trichromacy



Original Color

31.8502, 38.7535, 38.1492

Protanomaly

34.7883, 38.5896, 36.6253

Deuteranomaly

35.9177, 38.0260, 38.7044

Tritanomaly

33.4275, 38.5107, 46.7458

Monochromacy



Original Color

31.8502, 38.7535, 38.1492

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.3886, 36.9829, 39.0969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8502, 38.7535, 38.1492 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(136, 176, 158)` looks like.

```
.text, #text, p{  
    color:rgb(136, 176, 158)  
}
```

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(136, 176, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 176, 158) }
```

Border

The CSS property to change the border of an element to XYZ 31.8502, 38.7535, 38.1492 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(136, 176, 158) }
```


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

```
.border{ border-color:rgb(136, 176, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 176, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 176, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 176, 158);  
box-shadow:4px 4px 4px 4px rgb(136, 176,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8502, 38.7535, 38.1492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 176, 158) }
```

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

```
.background{ background-color: rgb(136,  
176, 158) }
```

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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