

Converting Colors

XYZ(31.8242, 38.9917, 42.7458)

Have a look what the booklet for
XYZ(31.8242, 38.9917, 42.7458)
contains.

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Color

**XYZ(31.8433, 38.9386,
42.8834)**

Conversions

Conversions Part 1

Format	Color
Hex	81B1A8
RGB	129, 177, 168
RGB Percent	51%, 69%, 66%
CMY	0.4941, 0.3059, 0.3412
CMYK	0.27, 0.00, 0.05, 0.31
HSL	169°, 24%, 60%
HSV	169°, 27%, 69%
XYZ	31.8433, 38.9386, 42.8834
YIQ	161.6220, -25.7190, -12.9750

Conversions

Conversions Part 2

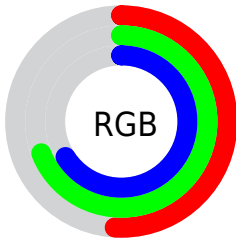
Format	Color
RYB	129, 155, 177
Decimal	8499624
CIELab	68.71, -17.85, -0.56
CIElCh	69, 17.857, 181.784
Yxy	38.9386, 0.2801, 0.3426
Android (android.graphics.Color)	4286689704 (0xFF81B1A8)
YUV	161.6220, 3.1444, -28.6095
Hunter-Lab	62.4008, -18.1124, 2.9350

Details

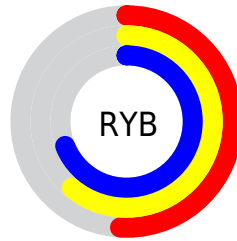
The XYZ color **31.8433, 38.9386, 42.8834** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.5705, 26.8836, 27.6242**, and the grayscale version is **34.1612, 35.9403, 39.1389**.

A 20% lighter version of the original color is **61.9866, 73.6728, 80.7653**, and **13.5019, 17.2960, 19.1498** is the 20% darker color. If you saturate the color by 10%, you get **29.0790, 37.5499, 41.1609**, and if you desaturate by 10%, it is **35.0835, 40.5738, 44.6711**.

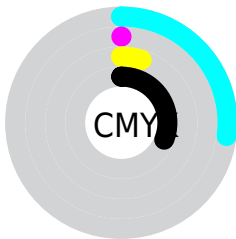
Distribution



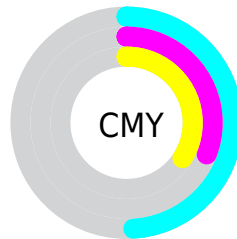
- Red (51%)
- Green (69%)
- Blue (66%)



- Red (51%)
- Yellow (61%)
- Blue (69%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)



- Cyan (49%)
- Magenta (31%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.8433, 38.9386, 42.8834 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 31.8433, 38.9386, 42.8834 by changing the saturation by 10% instead.

■ 31.8433, 38.9386,
42.8834

■ 31.8433, 38.9386,
42.8834

302.1628,
341.6294, 374.0391

■ 21.3968, 26.7120,
29.4629

■ 61.9322, 73.5445,
80.8193

■ 13.5285, 17.3570,
19.1827

■ 82.3053, 96.6926,
106.1719

■ 7.8729, 10.4894,
11.6242

■ 106.7180,
124.2499, 136.3389

■ 4.0649, 5.7246,
6.3689

135.5357,
156.6009, 171.7388

■ 1.7389, 2.6784,
2.9983

169.1236,
194.1300, 212.7903

■ 0.4804, 0.9662,
1.0938

207.8472,

■ 0.0000, 0.0000,

237.2214, 259.9118

0.0000

252.0718,
286.2598, 313.5219

■ 31.8433, 38.9386,
42.8834

■ 31.8433, 38.9386,
42.8834

■ 29.0790, 37.5499,
41.1609

■ 35.0835, 40.5738,
44.6711

■ 26.7632, 36.3904,
39.4994

■ 38.8185, 42.4622,
46.5226

■ 24.8707, 35.4482,
37.8984

■ 43.0705, 44.6161,
48.4401

■ 23.3726, 34.7085,
36.3562

■ 47.8590, 47.0457,
50.4249

■ 22.2363, 34.1544,
34.8708

■ 53.2028, 49.7606,
52.4780

■ 21.4236, 33.7663,
33.4403

■ 59.1195, 52.7700,
54.6006

■ 20.8794, 33.5157,
32.0617

■ 65.6263, 56.0825,
56.7938

■ 20.7423, 33.4535,
31.6727

■ 66.7632, 56.6259,
58.7790

■ 67.1417, 56.7773,
60.7722

Harmonies

Analogous

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



32.4282, 38.9386, 35.4614



31.8433, 38.9386, 42.8834



32.5832, 38.9386, 51.1278

Triad

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



31.8433, 38.9386, 42.8834



39.9445, 38.9386, 57.0390



39.6373, 38.9386, 30.1170

Complementary

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



31.8433, 38.9386, 42.8834



30.5705, 26.8836, 27.6242

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.



41.8205, 38.9386, 34.7223



31.8433, 38.9386, 42.8834



42.0042, 38.9386, 50.1838

Square

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



31.8433, 38.9386, 42.8834



37.1792, 38.9386, 59.9191



42.7073, 38.9386, 41.9153



36.8412, 38.9386, 28.6754

Rectangle

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



31.8433, 38.9386, 42.8834



33.7512, 38.9386, 55.8278



42.7073, 38.9386, 41.9153



40.4720, 38.9386, 31.3149

Sweetspot

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



31.8444, 38.9402, 42.8843



68.7972, 75.6794, 82.9739



30.2666, 38.4855, 26.6028



14.6854, 16.2876, 17.8742



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.



31.8444, 38.9402, 42.8843



53.7435, 68.0843, 74.7990



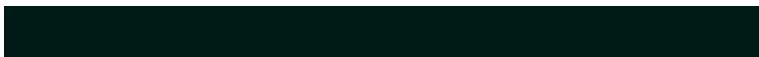
30.0165, 33.8954, 46.5573



8.6729, 9.6037, 10.5373



15.0487, 24.2455, 23.0572



0.4912, 0.7699, 0.8185

Inverse Universe

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



30.5705, 26.8836, 27.6242



51.0547, 42.6001, 42.5621



31.9778, 30.6985, 25.0095



8.5593, 8.5304, 9.1778



13.3549, 6.8595, 1.7628



0.4395, 0.2236, 0.1573

Previews

White Background



This preview shows how the XYZ color 31.8433, 38.9386, 42.8834 looks on a white background.

Color Contrast Check

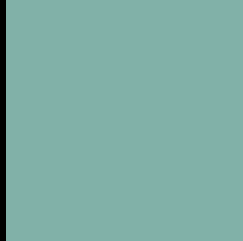
Large Text (above 18pt) WCAG AA × Fail

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 31.8433, 38.9386, 42.8834 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

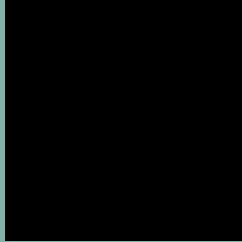
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8433, 38.9386, 42.8834

Background



This preview shows how black text looks on a background with the XYZ color 31.8433, 38.9386, 42.8834.

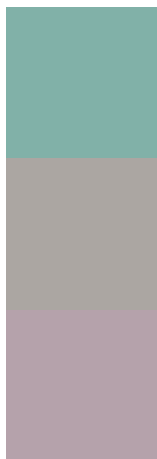


This preview shows how white text looks on a background with the XYZ color 31.8433, 38.9386,

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

31.8433, 38.9386, 42.8834

Protanopia

36.9524, 38.5390, 39.6736

Deuteranopia

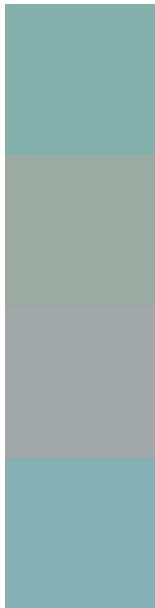
39.3271, 38.6047, 43.9068



Tritanopia

33.8860, 38.8895, 53.2974

Trichromacy



Original Color

31.8433, 38.9386, 42.8834

Protanomaly

34.7859, 38.4977, 40.7193

Deuteranomaly

35.9747, 38.2211, 43.5115

Tritanomaly

33.1862, 38.9017, 49.4757

Monochromacy



Original Color

31.8433, 38.9386, 42.8834

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.0972, 36.8018, 40.4810

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8433, 38.9386, 42.8834 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(129, 177, 168)` looks like.

```
.text, #text, p{  
    color:rgb(129, 177, 168)  
}
```

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(129, 177, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 177, 168) }
```

Border

The CSS property to change the border of an element to XYZ 31.8433, 38.9386, 42.8834 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(129, 177, 168) }
```


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

```
.border{ border-color:rgb(129, 177, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 177, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 177, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 177, 168); box-shadow:4px 4px 4px 4px rgb(129, 177, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8433, 38.9386, 42.8834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 177, 168) }
```

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

```
.background{ background-color: rgb(129,  
177, 168) }
```

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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