

Converting Colors

XYZ(31.4927, 38.4378, 42.1997)

Have a look what the booklet for
XYZ(31.4927, 38.4378, 42.1997)
contains.

XYZ(31.5536, 38.5078, 42.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.5536, 38.5078,
42.3289)**

Conversions

Conversions Part 1

Format	Color
Hex	81B0A7
RGB	129, 176, 167
RGB Percent	51%, 69%, 65%
CMY	0.4941, 0.3098, 0.3451
CMYK	0.27, 0.00, 0.05, 0.31
HSL	169°, 23%, 60%
HSV	169°, 27%, 69%
XYZ	31.5536, 38.5078, 42.3289
YIQ	160.9210, -25.1230, -12.7630

Conversions

Conversions Part 2

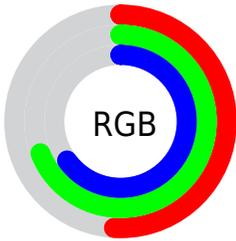
Format	Color
RYB	129, 155, 176
Decimal	8499367
CIELab	68.39, -17.55, -0.46
CIElCh	68, 17.560, 181.507
Yxy	38.5078, 0.2808, 0.3426
Android (android.graphics.Color)	4286689447 (0xFF81B0A7)
YUV	160.9210, 2.9969, -27.9947
Hunter-Lab	62.0547, -17.8318, 2.9952

Details

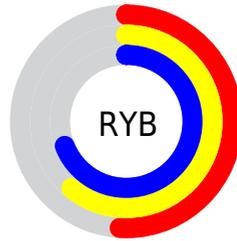
The XYZ color **31.5536, 38.5078, 42.3289** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.3435, 26.7665, 27.6134**, and the grayscale version is **33.8353, 35.5974, 38.7655**.

A 20% lighter version of the original color is **61.5699, 73.0544, 79.9631**, and **13.3194, 17.0234, 18.8035** is the 20% darker color. If you saturate the color by 10%, you get **28.7997, 37.1246, 40.5950**, and if you desaturate by 10%, it is **34.7784, 40.1347, 44.1289**.

Distribution



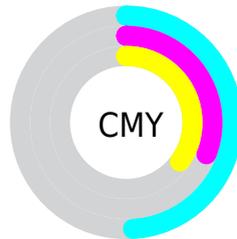
- Red (51%)
- Green (69%)
- Blue (65%)



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



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



- Cyan (49%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5536, 38.5078, 42.3289 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 31.5536, 38.5078, 42.3289 by changing the saturation by 10% instead.

■ 31.5536, 38.5078,
42.3289

■ 31.5536, 38.5078,
42.3289

300.8622,
339.7933, 371.6843

■ 21.1747, 26.3770,
29.0314

■ 61.4805, 72.8858,
79.9726

■ 13.3649, 17.1059,
18.8588

■ 81.7593, 95.9018,
105.1559

■ 7.7590, 10.3100,
11.3925

■ 106.0686,
123.3151, 135.1383

■ 3.9917, 5.6050,
6.2140

134.7739,
155.5099, 170.3382

■ 1.6974, 2.6064,
2.9048

168.2406,
192.8708, 211.1742

■ 0.4546, 0.9299,
1.0462

206.8340,

■ 0.0000, 0.0000,

235.7820, 258.0649

0.0000

250.9194,
284.6281, 311.4288

■ 31.5536, 38.5078,
42.3289

■ 31.5536, 38.5078,
42.3289

■ 28.7997, 37.1246,
40.5950

■ 34.7784, 40.1347,
44.1289

■ 26.4896, 35.9684,
38.9232

■ 38.4926, 42.0121,
45.9937

■ 24.5987, 35.0273,
37.3128

■ 42.7181, 44.1520,
47.9254

■ 23.0987, 34.2867,
35.7621

■ 47.4741, 46.5645,
49.9253

■ 21.9573, 33.7302,
34.2693

■ 52.7790, 49.2589,
51.9946

■ 21.1374, 33.3385,
32.8323

■ 58.6503, 52.2444,
54.1343

■ 20.5872, 33.0849,
31.4485

■ 65.1047, 55.5295,
56.3456

■ 20.4306, 33.0139,
31.0024

■ 66.5002, 56.2057,
58.3646

■ 66.8831, 56.3589,
60.3811

Harmonies

Analogous

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



32.1370, 38.5078, 35.0958



31.5536, 38.5078, 42.3289



32.2650, 38.5078, 50.3722

Triad

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



31.5536, 38.5078, 42.3289



39.4409, 38.5078, 56.2475



39.1877, 38.5078, 29.9524

Complementary

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



31.5536, 38.5078, 42.3289



30.3435, 26.7665, 27.6134

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.



41.3080, 38.5078, 34.4853



31.5536, 38.5078, 42.3289



41.4592, 38.5078, 49.5949

Square

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



31.5536, 38.5078, 42.3289



36.7401, 38.5078, 59.0071



42.1588, 38.5078, 41.5305



36.4613, 38.5078, 28.5110

Rectangle

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



31.5536, 38.5078, 42.3289



33.3996, 38.5078, 54.9669



42.1588, 38.5078, 41.5305



39.9996, 38.5078, 31.1344

Sweetspot

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



31.5547, 38.5094, 42.3298



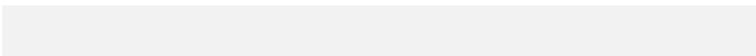
68.7872, 75.6754, 82.9210



30.0365, 38.0747, 26.5355



14.6829, 16.2866, 17.8607



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.



31.5547, 38.5094, 42.3298



54.2014, 68.3183, 74.9128



29.7936, 33.6085, 45.9929



8.6715, 9.6031, 10.5296



15.0101, 24.2300, 22.8539



0.4902, 0.7696, 0.8136

Inverse Universe

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



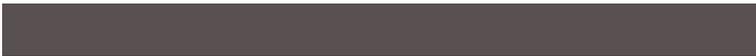
30.3435, 26.7665, 27.6134



51.6390, 43.4445, 43.7567



31.7057, 30.4912, 24.9838



8.5607, 8.5310, 9.1850



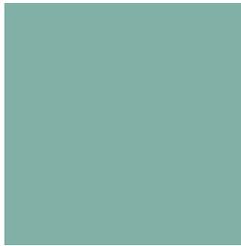
13.3624, 6.8625, 1.8025



0.4401, 0.2238, 0.1602

Previews

White Background



This preview shows how the XYZ color 31.5536, 38.5078, 42.3289 looks on a white background.

Color Contrast Check

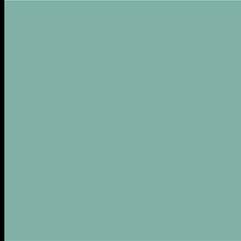
Large Text (above 18pt) WCAG AA × Fail

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 31.5536, 38.5078, 42.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

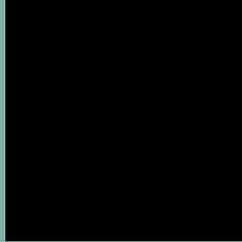
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5536, 38.5078, 42.3289

Background



This preview shows how black text looks on a background with the XYZ color 31.5536, 38.5078, 42.3289.



This preview shows how white text looks on a background with the XYZ color 31.5536, 38.5078,

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

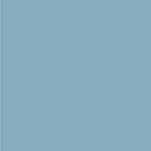
31.5536, 38.5078, 42.3289

Protanopia

36.4657, 38.0295, 39.1367

Deuteranopia

38.8230, 38.0953, 43.3372



Tritanopia

33.5861, 38.4615, 52.6674

Trichromacy



Original Color

31.5536, 38.5078, 42.3289

Protanomaly

34.3164, 37.9888, 40.1742

Deuteranomaly

35.4956, 37.7141, 42.9448

Tritanomaly

32.8900, 38.4729, 48.8725

Monochromacy



Original Color

31.5536, 38.5078, 42.3289

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.6415, 36.3063, 39.9378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5536, 38.5078, 42.3289 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, 176, 167)` looks like.

```
.text, #text, p{  
    color:rgb(129, 176, 167)  
}
```

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, 176, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 176, 167) }
```

Border

The CSS property to change the border of an element to XYZ 31.5536, 38.5078, 42.3289 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, 176, 167) }
```


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

```
.border{ border-color:rgb(129, 176, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 176, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 176, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 176, 167);  
box-shadow:4px 4px 4px 4px rgb(129, 176,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5536, 38.5078, 42.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 176, 167) }
```

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

```
.background{ background-color: rgb(129,  
176, 167) }
```

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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