

Converting Colors

XYZ(30.8346, 38.1697, 43.9696)

Have a look what the booklet for
XYZ(30.8346, 38.1697, 43.9696)
contains.

XYZ(30.8071, 38.0905, 43.7587)	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(30.8071, 38.0905,
43.7587)**

Conversions

Conversions Part 1

Format	Color
Hex	7AB0AA
RGB	122, 176, 170
RGB Percent	48%, 69%, 67%
CMY	0.5216, 0.3098, 0.3333
CMYK	0.31, 0.00, 0.03, 0.31
HSL	173°, 25%, 58%
HSV	173°, 31%, 69%
XYZ	30.8071, 38.0905, 43.7587
YIQ	159.1700, -30.2580, -13.3140

Conversions

Conversions Part 2

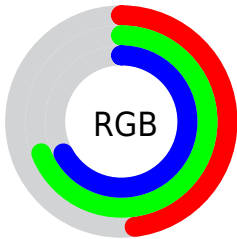
Format	Color
RYB	122, 151, 176
Decimal	8040618
CIELab	68.09, -18.99, -2.61
CIElCh	68, 19.166, 187.841
Yxy	38.0905, 0.2735, 0.3381
Android (android.graphics.Color)	4286230698 (0xFF7AB0AA)
YUV	159.1700, 5.3392, -32.5981
Hunter-Lab	61.7175, -18.9050, 1.1647

Details

The XYZ color **30.8071, 38.0905, 43.7587** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.7617, 24.7088, 23.6770**, and the grayscale version is **33.0196, 34.7391, 37.8309**.

A 20% lighter version of the original color is **60.3517, 72.3796, 82.0239**, and **12.8788, 16.7760, 19.6989** is the 20% darker color. If you saturate the color by 10%, you get **28.3538, 36.8480, 42.6858**, and if you desaturate by 10%, it is **33.7167, 39.5699, 44.8690**.

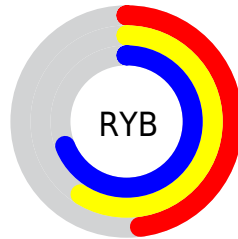
Distribution



Red (48%)

Green (69%)

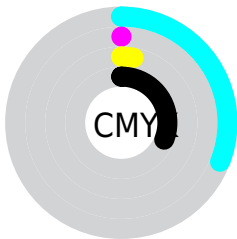
Blue (67%)



Red (48%)

Yellow (59%)

Blue (69%)

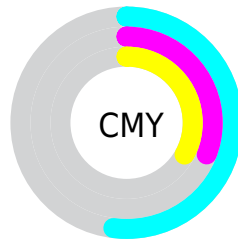


Cyan (31%)

Magenta (0%)

Yellow (3%)

Black (31%)



Cyan (52%)

Magenta (31%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8071, 38.0905, 43.7587 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 30.8071, 38.0905, 43.7587 by changing the saturation by 10% instead.

■ 30.8071, 38.0905,
43.7587

■ 30.8071, 38.0905,
43.7587

297.4914,
338.0080, 377.7352

■ 20.6031, 26.0529,
30.1451

■ 60.3142, 72.2468,
82.1531

■ 12.9450, 16.8632,
19.6957

■ 80.3479, 95.1344,
107.7710

■ 7.4674, 10.1370,
11.9922

■ 104.3890,
122.4074, 138.2273

■ 3.8050, 5.4899,
6.6159

132.8027,
154.4502, 173.9407

■ 1.5924, 2.5375,
3.1483

165.9545,
191.6473, 215.3296

■ 0.3875, 0.8953,
1.1708

204.2096,

■ 0.0000, 0.0000,

234.3831, 262.8126

0.0000

247.9335,
283.0418, 316.8083

■ 30.8071, 38.0905,
43.7587

■ 30.8071, 38.0905,
43.7587

■ 28.3538, 36.8480,
42.6858

■ 33.7167, 39.5699,
44.8690

■ 26.3291, 35.8251,
41.6464

■ 37.1019, 41.2931,
46.0152

■ 24.7074, 35.0097,
40.6401

■ 40.9847, 43.2726,
47.1992

■ 23.4590, 34.3864,
39.6655

■ 45.3851, 45.5186,
48.4219

■ 22.5501, 33.9378,
38.7209

■ 50.3216, 48.0406,
49.6844

■ 21.9409, 33.6434,
37.8044

■ 55.8121, 50.8479,
50.9875

■ 21.5642, 33.4672,
36.9719

■ 61.8735, 53.9492,
52.3320

■ 65.5918, 55.8423,
53.5817

■ 65.8008, 55.9259,
54.6819

Harmonies

Analogous

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



31.1410, 38.0905, 35.5742



30.8071, 38.0905, 43.7587



31.8550, 38.0905, 52.4052

Triad

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



30.8071, 38.0905, 43.7587



39.8428, 38.0905, 55.8670



38.4136, 38.0905, 28.0295

Complementary

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



30.8071, 38.0905, 43.7587



28.7617, 24.7088, 23.6770

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.



40.9315, 38.0905, 32.1797



30.8071, 38.0905, 43.7587



41.7877, 38.0905, 47.9926

Square

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



30.8071, 38.0905, 43.7587



36.9931, 38.0905, 59.9959



42.1968, 38.0905, 39.2704



35.4260, 38.0905, 27.2203

Rectangle

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



30.8071, 38.0905, 43.7587



33.2321, 38.0905, 57.0154



42.1968, 38.0905, 39.2704



39.3477, 38.0905, 29.0496

Sweetspot

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



30.8082, 38.0920, 43.7596



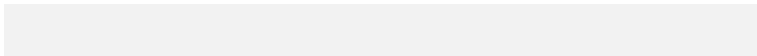
68.3019, 75.4058, 83.7758



27.9867, 37.0699, 24.0933



14.5964, 16.2368, 18.0901



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.



30.8082, 38.0920, 43.7596



52.6884, 67.4684, 77.9989



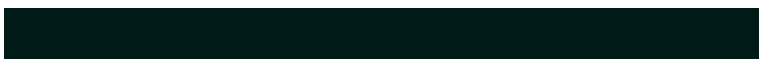
27.6350, 30.8162, 45.5676



8.7012, 9.6150, 10.6859



15.8348, 24.5599, 27.1965



0.5097, 0.7774, 0.9163

Inverse Universe

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



28.7617, 24.7088, 23.6770



48.3696, 39.1984, 35.5986



31.1962, 30.1915, 22.5965



8.5335, 8.5201, 9.0418



13.2381, 6.8128, 1.1478



0.4289, 0.2193, 0.1011

Previews

White Background



This preview shows how the XYZ color 30.8071, 38.0905, 43.7587 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 30.8071, 38.0905, 43.7587 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

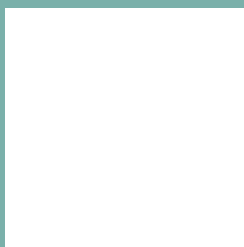
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.8071, 38.0905, 43.7587

Background



This preview shows how black text looks on a background with the XYZ color 30.8071, 38.0905, 43.7587.

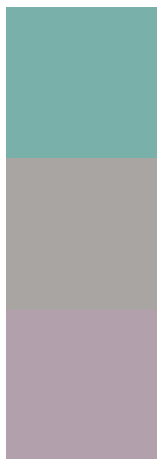


This preview shows how white text looks on a background with the XYZ color 30.8071, 38.0905,

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

30.8071, 38.0905, 43.7587

Protanopia

36.4282, 37.9896, 40.0631

Deuteranopia

38.4737, 37.6237, 44.7695



Tritanopia

32.5174, 37.9106, 52.6173

Trichromacy



Original Color

30.8071, 38.0905, 43.7587

Protanomaly

34.0198, 37.8045, 41.5804

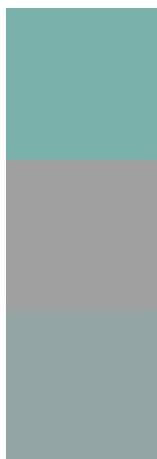
Deuteranomaly

35.1832, 37.5201, 44.4175

Tritanomaly

31.9340, 37.9683, 49.3616

Monochromacy



Original Color

30.8071, 38.0905, 43.7587

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.9201, 35.6656, 39.8521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8071, 38.0905, 43.7587 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(122, 176, 170)` looks like.

```
.text, #text, p{  
    color:rgb(122, 176, 170)  
}
```

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(122, 176, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 176, 170) }
```

Border

The CSS property to change the border of an element to XYZ 30.8071, 38.0905, 43.7587 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(122, 176, 170) }
```


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

```
.border{ border-color:rgb(122, 176, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 176, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 176, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 176, 170);  
box-shadow:4px 4px 4px 4px rgb(122, 176,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8071, 38.0905, 43.7587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 176, 170) }
```

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

```
.background{ background-color: rgb(122,  
176, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor