

Converting Colors

XYZ(31.2766, 38.8456, 44.1022)

Have a look what the booklet for
XYZ(31.2766, 38.8456, 44.1022)
contains.

XYZ(31.3445, 38.9540, 43.8971)	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(31.3445, 38.9540,
43.8971)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB2AA
RGB	123, 178, 170
RGB Percent	48%, 70%, 67%
CMY	0.5176, 0.3019, 0.3333
CMYK	0.31, 0.00, 0.04, 0.30
HSL	171°, 26%, 59%
HSV	171°, 31%, 70%
XYZ	31.3445, 38.9540, 43.8971
YIQ	160.6430, -30.2120, -14.1480

Conversions

Conversions Part 2

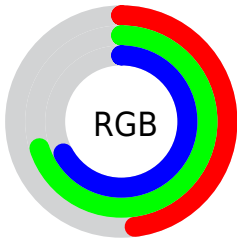
Format	Color
RYB	123, 153, 178
Decimal	8106666
CIELab	68.72, -19.72, -1.68
CIElCh	69, 19.791, 184.877
Yxy	38.9540, 0.2745, 0.3411
Android (android.graphics.Color)	4286296746 (0xFF7BB2AA)
YUV	160.6430, 4.6130, -33.0129
Hunter-Lab	62.4131, -19.5785, 1.9887

Details

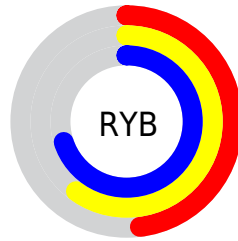
The XYZ color **31.3445, 38.9540, 43.8971** is a light color, and the websafe version is hex **669999**. A complement of this color would be **29.5412, 25.2707, 24.7950**, and the grayscale version is **33.7009, 35.4560, 38.6116**.

A 20% lighter version of the original color is **61.1449, 73.6290, 82.2233**, and **13.2022, 17.3148, 19.7858** is the 20% darker color. If you saturate the color by 10%, you get **28.7837, 37.6629, 42.5117**, and if you desaturate by 10%, it is **34.3754, 40.4889, 45.3314**.

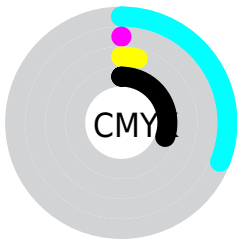
Distribution



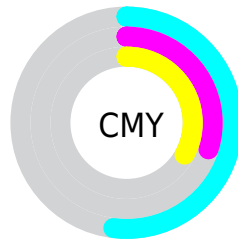
- Red (48%)
- Green (70%)
- Blue (67%)



- Red (48%)
- Yellow (60%)
- Blue (70%)



- Cyan (31%)
- Magenta (0%)
- Yellow (4%)
- Black (30%)



- Cyan (52%)
- Magenta (30%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3445, 38.9540, 43.8971 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 31.3445, 38.9540, 43.8971 by changing the saturation by 10% instead.

■ 31.3445, 38.9540,
43.8971

■ 31.3445, 38.9540,
43.8971

299.9209,
341.6949, 378.3173

■ 21.0144, 26.7239,
30.2530

■ 61.1542, 73.5680,
82.3637

■ 13.2471, 17.3660,
19.7770

■ 81.3646, 96.7208,
108.0233

■ 7.6771, 10.4958,
12.0506

■ 105.5990,
124.2833, 138.5252

■ 3.9391, 5.7289,
6.6552

134.2230,
156.6398, 174.2878

■ 1.6677, 2.6809,
3.1723

167.6018,
194.1749, 215.7298

■ 0.4359, 0.9675,
1.1832

206.1008,

■ 0.0000, 0.0000,

237.2728, 263.2697

0.0000

250.0854,
286.3180, 317.3260

■ 31.3445, 38.9540,
43.8971

■ 31.3445, 38.9540,
43.8971

■ 28.7837, 37.6629,
42.5117

■ 34.3754, 40.4889,
45.3314

■ 26.6645, 36.5979,
41.1711

■ 37.8962, 42.2748,
46.8131

■ 24.9604, 35.7463,
39.8749

■ 41.9298, 44.3245,
48.3443

■ 23.6409, 35.0925,
38.6215

■ 46.4965, 46.6484,
49.9261

■ 22.6711, 34.6183,
37.4090

■ 51.6157, 49.2566,
51.5595

■ 22.0096, 34.3026,
36.2355

■ 57.3055, 52.1584,
53.2455

■ 21.5972, 34.1126,
35.1974

■ 63.5835, 55.3628,
54.9850

■ 66.5341, 56.8513,
56.5950

■ 66.8212, 56.9662,
58.1066

Harmonies

Analogous

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



31.8372, 38.9540, 35.5076



31.3445, 38.9540, 43.8971



32.3023, 38.9540, 53.0565

Triad

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



31.3445, 38.9540, 43.8971



40.5748, 38.9540, 58.1887



39.6397, 38.9540, 28.6411

Complementary

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



31.3445, 38.9540, 43.8971



29.5412, 25.2707, 24.7950

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.



42.1861, 38.9540, 33.2997



31.3445, 38.9540, 43.8971



42.7469, 38.9540, 50.1631

Square

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



31.3445, 38.9540, 43.8971



37.5388, 38.9540, 62.0162



43.3525, 38.9540, 40.9652



36.5151, 38.9540, 27.4507

Rectangle

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



31.3445, 38.9540, 43.8971



33.6680, 38.9540, 58.1365



43.3525, 38.9540, 40.9652



40.5972, 38.9540, 29.8177

Sweetspot

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



31.3456, 38.9556, 43.8980



69.9266, 77.2725, 85.3668



28.8956, 38.1177, 24.5742



15.2703, 17.0070, 18.8254



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3456, 38.9556, 43.8980



53.6187, 69.0139, 77.8991



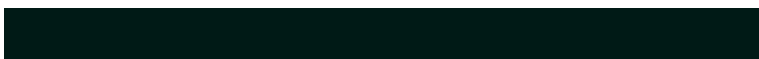
28.5607, 32.1370, 46.8190



8.6884, 9.6099, 10.6190



15.4704, 24.4141, 25.2776



0.5012, 0.7740, 0.8715

Inverse Universe

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



29.5412, 25.2707, 24.7950



49.8339, 40.2732, 37.8037



31.6468, 30.3168, 22.9235



8.5451, 8.5247, 9.1028



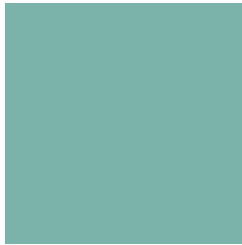
13.2842, 6.8312, 1.3907



0.4337, 0.2212, 0.1264

Previews

White Background



This preview shows how the XYZ color 31.3445, 38.9540, 43.8971 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 31.3445, 38.9540, 43.8971 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 31.3445, 38.9540, 43.8971

Background



This preview shows how black text looks on a background with the XYZ color 31.3445, 38.9540, 43.8971.

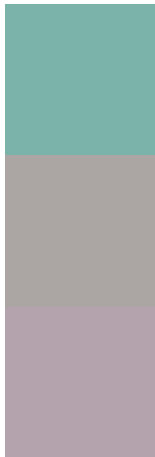


This preview shows how white text looks on a background with the XYZ color 31.3445, 38.9540,

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

31.3445, 38.9540, 43.8971

Protanopia

37.0417, 38.5747, 40.1437

Deuteranopia

39.2855, 38.5611, 44.9076



Tritanopia

33.2677, 38.8461, 53.8888

Trichromacy



Original Color

31.3445, 38.9540, 43.8971

Protanomaly

34.5841, 38.3726, 41.6603

Deuteranomaly

35.7471, 38.3547, 44.5489

Tritanomaly

32.5730, 38.8637, 50.0406

Monochromacy



Original Color

31.3445, 38.9540, 43.8971

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.5522, 36.5208, 40.4555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3445, 38.9540, 43.8971 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(123, 178, 170)` looks like.

```
.text, #text, p{  
    color:rgb(123, 178, 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(123, 178, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 178, 170) }
```

Border

The CSS property to change the border of an element to XYZ 31.3445, 38.9540, 43.8971 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(123, 178, 170) }
```


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

```
.border{ border-color:rgb(123, 178, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 178, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 178, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 178, 170);  
box-shadow:4px 4px 4px 4px rgb(123, 178,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3445, 38.9540, 43.8971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 178, 170) }
```

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

```
.background{ background-color: rgb(123,  
178, 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](#).

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