

Converting Colors

XYZ(27.3745, 38.5143, 43.2230)

Have a look what the booklet for
XYZ(27.3745, 38.5143, 43.2230)
contains.

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Color

**XYZ(27.3096, 38.3996,
43.0183)**

Conversions

Conversions Part 1

Format	Color
Hex	50B7A8
RGB	80, 183, 168
RGB Percent	31%, 72%, 66%
CMY	0.6863, 0.2823, 0.3412
CMYK	0.56, 0.00, 0.08, 0.28
HSL	171°, 42%, 52%
HSV	171°, 56%, 72%
XYZ	27.3096, 38.3996, 43.0183
YIQ	150.4930, -56.5730, -26.5010

Conversions

Conversions Part 2

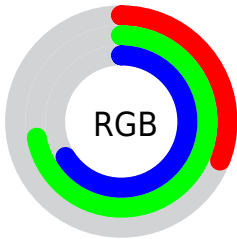
Format	Color
RYB	80, 136, 183
Decimal	5289896
CIELab	68.31, -33.49, -1.39
CIELCh	68, 33.516, 182.371
Yxy	38.3996, 0.2512, 0.3532
Android (android.graphics.Color)	4283479976 (0xFF50B7A8)
YUV	150.4930, 8.6310, -61.8224
Hunter-Lab	61.9674, -29.7764, 2.2176

Details

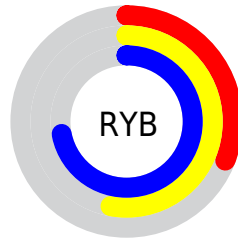
The XYZ color **27.3096, 38.3996, 43.0183** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.4639, 16.6318, 12.7486**, and the grayscale version is **29.1816, 30.7013, 33.4337**.

A 20% lighter version of the original color is **54.6670, 72.4640, 80.9177**, and **11.0026, 16.9615, 19.2170** is the 20% darker color. If you saturate the color by 10%, you get **25.7243, 37.6117, 41.6618**, and if you desaturate by 10%, it is **29.3229, 39.4095, 44.4231**.

Distribution



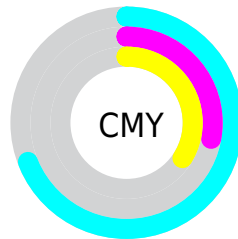
- Red (31%)
- Green (72%)
- Blue (66%)



- Red (31%)
- Yellow (53%)
- Blue (72%)



- Cyan (56%)
- Magenta (0%)
- Yellow (8%)
- Black (28%)



- Cyan (69%)
- Magenta (28%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3096, 38.3996, 43.0183 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 27.3096, 38.3996, 43.0183 by changing the saturation by 10% instead.

■ 27.3096, 38.3996,
43.0183

■ 27.3096, 38.3996,
43.0183

281.2933,
339.3311, 374.6104

■ 17.9437, 26.2930,
29.5680

■ 54.7967, 72.7202,
81.0251

■ 11.0090, 17.0429,
19.2616

■ 73.6485, 95.7030,
106.4187

■ 6.1402, 10.2651,
11.6808

■ 96.3930, 123.0799,
136.6304

■ 2.9720, 5.5751,
6.4068

■ 123.3956,
155.2354, 172.0789

■ 1.1390, 2.5885,
3.0212

155.0216,
192.5539, 213.1826

■ 0.0573, 0.9209,
1.1055

191.6363,

■ 0.0000, 0.0000,

235.4197, 260.3600

0.0000

233.6051,
284.2173, 314.0298

■ 27.3096, 38.3996,
43.0183

■ 27.3096, 38.3996,
43.0183

■ 25.7243, 37.6117,
41.6618

■ 29.3229, 39.4095,
44.4231

■ 24.5287, 37.0232,
40.3492

■ 31.7922, 40.6528,
45.8751

■ 23.6832, 36.6145,
39.0791

■ 34.7467, 42.1457,
47.3767

■ 23.1341, 36.3581,
37.8491

■ 38.2123, 43.9016,
48.9292

■ 22.9645, 36.2804,
37.4001

■ 42.2132, 45.9327,
50.5340

■ 46.7718, 48.2508,
52.1922

■ 51.9095, 50.8668,
53.9050

■ 57.6462, 53.7910,
55.6735

■ 64.0013, 57.0333,
57.4987

Harmonies

Analogous

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



28.2624, 38.3996, 29.7821



27.3096, 38.3996, 43.0183



28.6161, 38.3996, 59.2838

Triad

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



27.3096, 38.3996, 43.0183



42.1753, 38.3996, 71.3011



41.3837, 38.3996, 21.0663

Complementary

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



27.3096, 38.3996, 43.0183



24.4639, 16.6318, 12.7486

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.



45.7079, 38.3996, 28.1600



27.3096, 38.3996, 43.0183



46.1949, 38.3996, 56.7071

Square

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



27.3096, 38.3996, 43.0183



36.9169, 38.3996, 77.8726



47.5451, 38.3996, 40.6258



36.0816, 38.3996, 19.0611

Rectangle

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



27.3096, 38.3996, 43.0183



30.6731, 38.3996, 69.1508



47.5451, 38.3996, 40.6258



43.0166, 38.3996, 22.8347

Sweetspot

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



27.3107, 38.4011, 43.0192



67.7734, 78.2885, 87.3466



23.1488, 36.9048, 13.4934



14.6830, 17.1465, 19.1684



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.3107, 38.4011, 43.0192



45.3938, 67.0250, 73.9372



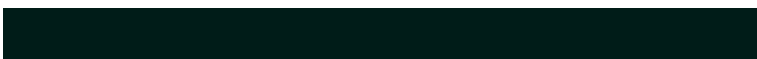
22.2826, 25.9776, 48.6412



9.2089, 10.1875, 11.2575



16.0394, 25.3167, 26.1933



0.5809, 0.8987, 1.0051

Inverse Universe

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



24.4639, 16.6318, 12.7486



39.8220, 24.0919, 14.4501



27.2288, 23.1500, 10.6234



9.0565, 9.0330, 9.6449



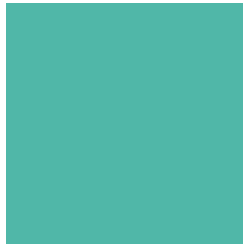
13.7746, 7.0836, 1.4339



0.5026, 0.2565, 0.1403

Previews

White Background



This preview shows how the XYZ color 27.3096, 38.3996, 43.0183 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 27.3096, 38.3996, 43.0183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

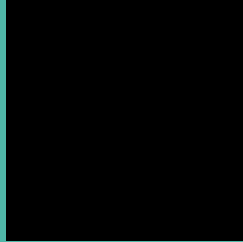
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

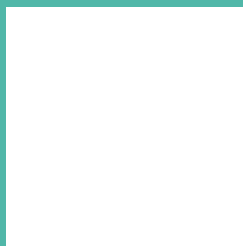
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3096, 38.3996, 43.0183

Background



This preview shows how black text looks on a background with the XYZ color 27.3096, 38.3996, 43.0183.

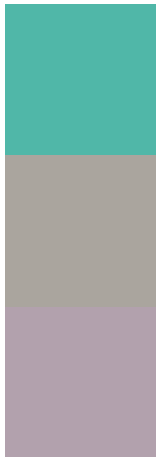


This preview shows how white text looks on a background with the XYZ color 27.3096, 38.3996,

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

27.3096, 38.3996, 43.0183

Protanopia

36.2043, 37.9249, 37.7598

Deuteranopia

38.6478, 37.9718, 44.8275



Tritanopia

29.9775, 38.2591, 56.8437

Trichromacy



Original Color

27.3096, 38.3996, 43.0183

Protanomaly

31.5906, 37.4320, 39.7425

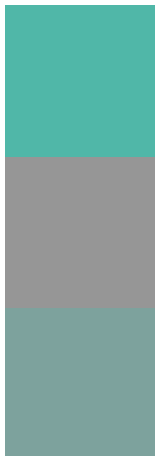
Deuteranomaly

32.6940, 37.0670, 43.9596

Tritanomaly

28.9160, 38.1237, 51.7335

Monochromacy



Original Color

27.3096, 38.3996, 43.0183

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

27.4636, 32.6350, 36.7500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3096, 38.3996, 43.0183 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(80, 183, 168)` looks like.

```
.text, #text, p{  
    color:rgb(80, 183, 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(80, 183, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 183, 168) }
```

Border

The CSS property to change the border of an element to XYZ 27.3096, 38.3996, 43.0183 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(80, 183, 168) }
```


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

```
.border{ border-color:rgb(80, 183, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 183, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 183, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 183, 168);  
box-shadow:4px 4px 4px 4px rgb(80, 183,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3096, 38.3996, 43.0183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 183, 168) }
```

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

```
.background{ background-color: rgb(80, 183,  
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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