

Converting Colors

XYZ(31.7184, 54.4180, 38.3732)

Have a look what the booklet for
XYZ(31.7184, 54.4180, 38.3732)
contains.

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Color

**XYZ(31.7888, 54.5096,
38.5517)**

Conversions

Conversions Part 1

Format	Color
Hex	00DE98
RGB	0, 222, 152
RGB Percent	0%, 87%, 60%
CMY	0.9999, 0.1294, 0.4039
CMYK	1.00, 0.00, 0.32, 0.13
HSL	161°, 100%, 44%
HSV	161°, 100%, 87%
XYZ	31.7888, 54.5096, 38.5517
YIQ	147.6420, -109.8420, -68.8340

Conversions

Conversions Part 2

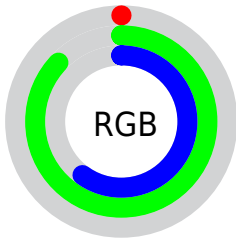
Format	Color
RYB	0, 132, 222
Decimal	56984
CIELab	78.76, -61.37, 21.89
CIELCh	79, 65.157, 160.373
Yxy	54.5096, 0.2546, 0.4366
Android (android.graphics.Color)	4278247064 (0xFF00DE98)
YUV	147.6420, 2.1485, -129.4820
Hunter-Lab	73.8306, -52.3479, 20.7223

Details

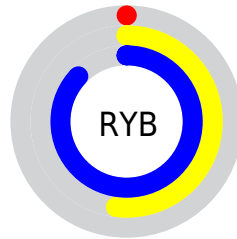
The XYZ color **31.7888, 54.5096, 38.5517** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **31.2319, 15.9732, 7.2358**, and the grayscale version is **28.0271, 29.4867, 32.1110**.

A 20% lighter version of the original color is **53.0859, 79.1508, 71.5112**, and **15.8041, 27.8499, 16.8545** is the 20% darker color. If you saturate the color by 10%, you get **31.7893, 54.5113, 38.5496**, and if you desaturate by 10%, it is **32.7164, 54.9210, 41.6788**.

Distribution



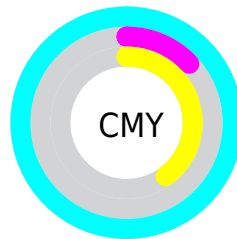
- Red (0%)
- Green (87%)
- Blue (60%)



- Red (0%)
- Yellow (52%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7888, 54.5096, 38.5517 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 31.7888, 54.5096, 38.5517 by changing the saturation by 10% instead.


 31.7888, 54.5096,
38.5517


 31.7888, 54.5096,
38.5517


301.9185,
404.0503, 355.3496


 21.3550, 39.0092,
26.1060


 61.8473, 96.8221,
74.1657


 13.4977, 26.7669,
16.6765


 82.2027, 124.4030,
98.1712


 7.8515, 17.3982,
9.8446


 106.5960,
156.7795, 126.8669

 4.0511, 10.5188,
5.1918

 135.3925,
194.3360, 160.6716

 1.7311, 5.7443,
2.2995

 168.9577,
237.4570, 200.0036

 0.4756, 2.6902,
0.7310

207.6568,

 0.0000, 0.9722,

286.5267, 245.2816

0.0000

251.8553,
341.9297, 296.9241

■ 0.0000, 0.0000,
0.0000

■ 31.7888, 54.5096,
38.5517

■ 31.7888, 54.5096,
38.5517

■ 31.7893, 54.5113,
38.5496

■ 32.7164, 54.9210,
41.6788

■ 34.0626, 55.5428,
45.0039

■ 35.9547, 56.4420,
48.5370

■ 38.4642, 57.6553,
52.2845

■ 41.6515, 59.2139,
56.2517

■ 45.5695, 61.1450,
60.4439

■ 50.2656, 63.4729,
64.8659

■ 55.7834, 66.2201,
69.5224

■ 62.1629, 69.4071,
74.4177

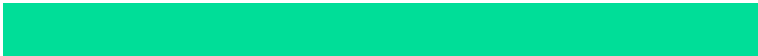
Harmonies

Analogous

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



37.3511, 54.5096, 20.0248



31.7888, 54.5096, 38.5517



31.0470, 54.5096, 73.0773

Triad

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



31.7888, 54.5096, 38.5517



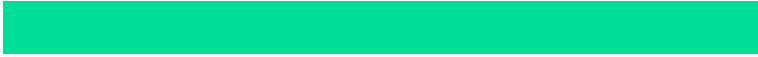
56.4035, 54.5096, 160.1876



73.0885, 54.5096, 24.2134

Complementary

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



31.7888, 54.5096, 38.5517



31.2319, 15.9732, 7.2358

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.



80.2269, 54.5096, 47.4623



31.7888, 54.5096, 38.5517



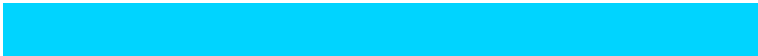
69.5877, 54.5096, 131.5534

Square

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



31.7888, 54.5096, 38.5517



43.9194, 54.5096, 154.5076



78.8490, 54.5096, 86.5424



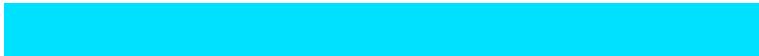
60.5927, 54.5096, 14.4455

Rectangle

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



31.7888, 54.5096, 38.5517



33.2269, 54.5096, 102.9833



78.8490, 54.5096, 86.5424



76.2810, 54.5096, 30.2005

Sweetspot

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



31.7902, 54.5118, 38.5530



68.6413, 86.8067, 88.6468



28.6712, 53.5585, 8.8274



14.0812, 18.2770, 18.4159



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.7902, 54.5118, 38.5530



43.4572, 74.5989, 52.4527



29.7721, 38.4473, 74.9618



13.9230, 15.4949, 16.6297



18.9339, 32.3984, 23.1728



1.3524, 2.2617, 1.8167

Inverse Universe

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



31.2319, 15.9732, 7.2358



42.7033, 21.8453, 9.6359



30.9088, 17.0969, 1.6717



13.8844, 13.7714, 15.1615



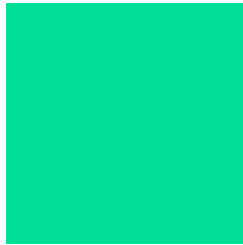
18.5945, 9.5048, 4.5304



1.3285, 0.6747, 0.5226

Previews

White Background



This preview shows how the XYZ color 31.7888, 54.5096, 38.5517 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 31.7888, 54.5096, 38.5517 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

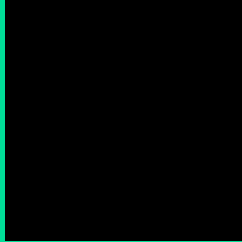
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

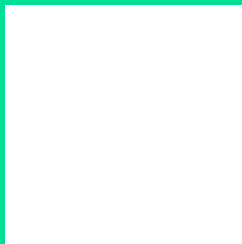
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7888, 54.5096, 38.5517

Background



This preview shows how black text looks on a background with the XYZ color 31.7888, 54.5096, 38.5517.

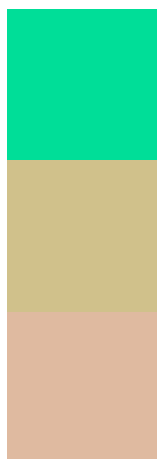


This preview shows how white text looks on a background with the XYZ color 31.7888, 54.5096,

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

31.7888, 54.5096, 38.5517

Protanopia

49.7426, 53.4139, 32.1143

Deuteranopia

54.3355, 53.3439, 40.6903



Tritanopia

40.6668, 54.2806, 82.4626

Trichromacy



Original Color

31.7888, 54.5096, 38.5517



Protanomaly

36.1426, 50.1049, 34.1518



Deuteranomaly

37.6646, 49.0320, 39.3773



Tritanomaly

36.3174, 53.9572, 63.7590

Monochromacy



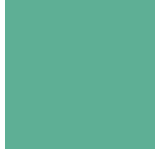
Original Color

31.7888, 54.5096, 38.5517



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.3709, 35.2096, 33.8927

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7888, 54.5096, 38.5517 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(0, 222, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 152)  
}
```

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(0, 222, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 152) }
```

Border

The CSS property to change the border of an element to XYZ 31.7888, 54.5096, 38.5517 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(0, 222, 152) }
```


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

```
.border{ border-color:rgb(0, 222, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7888, 54.5096, 38.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 152) }
```

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

```
.background{ background-color: rgb(0, 222,  
152) }
```

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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