

Converting Colors

XYZ(28.2499, 49.8872, 43.7536)

Have a look what the booklet for
XYZ(28.2499, 49.8872, 43.7536)
contains.

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Color

**XYZ(31.0920, 51.3175,
43.8639)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7A5
RGB	0, 215, 165
RGB Percent	0%, 84%, 65%
CMY	0.9999, 0.1568, 0.3529
CMYK	1.00, 0.00, 0.23, 0.16
HSL	166°, 100%, 42%
HSV	166°, 100%, 84%
XYZ	31.0920, 51.3175, 43.8639
YIQ	145.0150, -112.0900, -61.1300

Conversions

Conversions Part 2

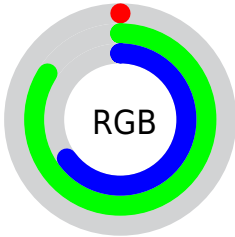
Format	Color
RYB	0, 122, 215
Decimal	55205
CIELab	76.87, -55.79, 12.41
CIELCh	77, 57.156, 167.458
Yxy	51.3175, 0.2462, 0.4064
Android (android.graphics.Color)	4278245285 (0xFF00D7A5)
YUV	145.0150, 9.8526, -127.1782
Hunter-Lab	71.6362, -47.8897, 13.8412

Details

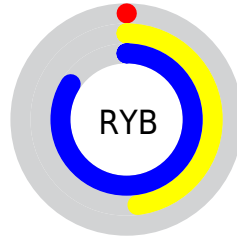
The XYZ color **31.0920, 51.3175, 43.8639** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.6021, 14.6788, 4.3471**, and the grayscale version is **26.9179, 28.3198, 30.8402**.

A 20% lighter version of the original color is **54.5040, 79.6906, 80.2193**, and **15.3788, 25.9885, 19.8285** is the 20% darker color. If you saturate the color by 10%, you get **31.0924, 51.3190, 43.8617**, and if you desaturate by 10%, it is **31.8779, 51.6703, 46.3248**.

Distribution



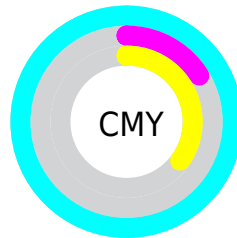
- Red (0%)
- Green (84%)
- Blue (65%)



- Red (0%)
- Yellow (48%)
- Blue (84%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (16%)





- Cyan (100%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0920, 51.3175, 43.8639 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 31.0920, 51.3175, 43.8639 by changing the saturation by 10% instead.


 31.0920, 51.3175,
43.8639


 31.0920, 51.3175,
43.8639


298.7813,
391.7961, 378.1777


 20.8211, 36.4614,
30.2271


 60.7597, 92.1239,
82.3132


 13.1050, 24.7907,
19.7575

 80.8873, 118.8430,
107.9628


 7.5784, 15.9212,
12.0366


 105.0311,
150.2851, 138.4537

 3.8759, 9.4684,
6.6458

 133.5565,
186.8348, 174.2046

 1.6322, 5.0479,
3.1665

 166.8288,
228.8763, 215.6339

 0.4132, 2.2754,
1.1803

205.2135,

 0.0000, 0.7607,

276.7941, 263.1601

0.0000

249.0759,
330.9726, 317.2019

■ 0.0000, 0.0000,
0.0000

■ 31.0920, 51.3175,
43.8639

■ 31.0920, 51.3175,
43.8639

■ 31.0924, 51.3190,
43.8617

■ 31.8779, 51.6703,
46.3248

■ 33.0371, 52.2122,
48.8961

■ 34.6891, 53.0060,
51.5853

■ 36.8995, 54.0856,
54.3967

■ 39.7239, 55.4795,
57.3337

■ 43.2107, 57.2128,
60.3997

■ 47.4036, 59.3078,
63.5976

■ 52.3424, 61.7853,
66.9302

■ 58.0640, 64.6640,
70.4002

Harmonies

Analogous

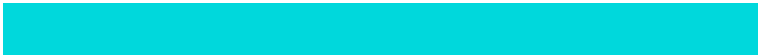
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.9450, 51.3175, 24.3983



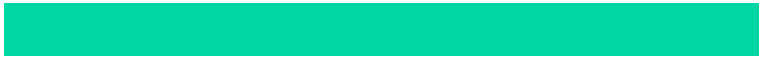
31.0920, 51.3175, 43.8639



31.4368, 51.3175, 75.8181

Triad

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



31.0920, 51.3175, 43.8639



55.3161, 51.3175, 134.5964



64.3094, 51.3175, 22.3685

Complementary

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



31.0920, 51.3175, 43.8639



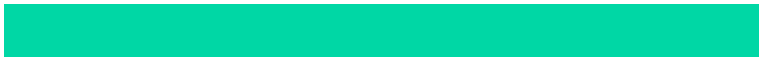
28.6021, 14.6788, 4.3471

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.



71.5438, 51.3175, 39.7787



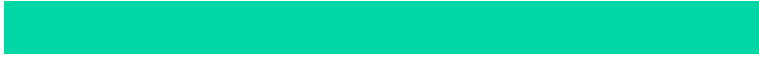
31.0920, 51.3175, 43.8639



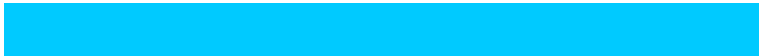
65.8452, 51.3175, 106.8814

Square

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



31.0920, 51.3175, 43.8639



44.3781, 51.3175, 136.9978



72.1443, 51.3175, 69.9024



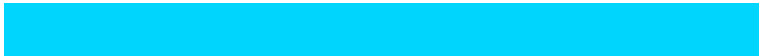
53.4547, 51.3175, 15.4562

Rectangle

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



31.0920, 51.3175, 43.8639



33.9999, 51.3175, 100.7383



72.1443, 51.3175, 69.9024



67.3109, 51.3175, 26.8139

Sweetspot

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



31.0934, 51.3195, 43.8651



69.5513, 87.1707, 93.4389



25.6263, 49.2857, 8.1633



14.2996, 18.3644, 19.5664



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.



31.0934, 51.3195, 43.8651



45.6884, 75.4913, 64.2020



24.4385, 29.2505, 68.6501



12.6629, 14.0562, 15.3052



18.6389, 30.7109, 26.4577



1.1549, 1.8646, 1.7576

Inverse Universe

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



28.6021, 14.6788, 4.3471



42.0375, 21.5790, 6.1297



29.5063, 17.4093, 1.8061



12.5404, 12.4677, 13.5201



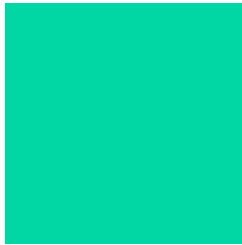
17.1405, 8.7925, 2.7780



1.0662, 0.5433, 0.3382

Previews

White Background



This preview shows how the XYZ color 31.0920, 51.3175, 43.8639 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 31.0920, 51.3175, 43.8639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

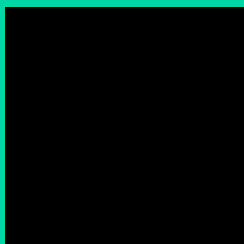
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

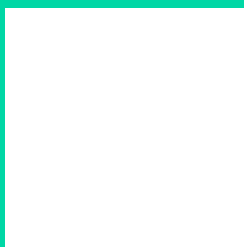
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0920, 51.3175, 43.8639

Background



This preview shows how black text looks on a background with the XYZ color 31.0920, 51.3175, 43.8639.

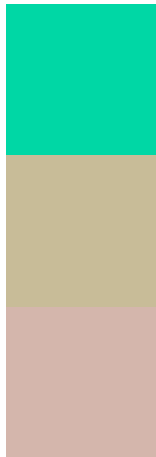


This preview shows how white text looks on a background with the XYZ color 31.0920, 51.3175,

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

31.0920, 51.3175, 43.8639

Protanopia

47.4701, 50.5128, 36.9538

Deuteranopia

51.3257, 50.4315, 46.0588



Tritanopia

38.1513, 51.2364, 78.3998

Trichromacy



Original Color

31.0920, 51.3175, 43.8639



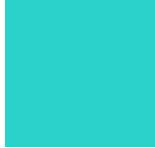
Protanomaly

35.0323, 47.3345, 39.1884



Deuteranomaly

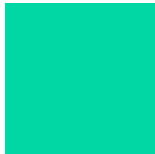
36.4449, 46.5990, 44.6098



Tritanomaly

34.8223, 50.9186, 64.4929

Monochromacy



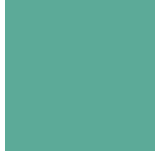
Original Color

31.0920, 51.3175, 43.8639



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.4559, 33.2918, 34.8428

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0920, 51.3175, 43.8639 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, 215, 165)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 165)  
}
```

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, 215, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.0920, 51.3175, 43.8639 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, 215, 165) }
```


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

```
.border{ border-color:rgb(0, 215, 165) }
```

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

Here you see how a box with a 4 pixel rgb(0, 215, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 215, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 215, 165);  
box-shadow:4px 4px 4px 4px rgb(0, 215,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0920, 51.3175, 43.8639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 215, 165) }
```

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

```
.background{ background-color: rgb(0, 215,  
165) }
```

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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