

Converting Colors

XYZ(22.2946, 46.8655, 43.8411)

Have a look what the booklet for
XYZ(22.2946, 46.8655, 43.8411)
contains.

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Color

**XYZ(31.1834, 51.3541,
44.3452)**

Conversions

Conversions Part 1

Format	Color
Hex	00D7A6
RGB	0, 215, 166
RGB Percent	0%, 84%, 65%
CMY	0.9999, 0.1568, 0.3490
CMYK	1.00, 0.00, 0.23, 0.16
HSL	166°, 100%, 42%
HSV	166°, 100%, 84%
XYZ	31.1834, 51.3541, 44.3452
YIQ	145.1290, -112.4110, -60.8190

Conversions

Conversions Part 2

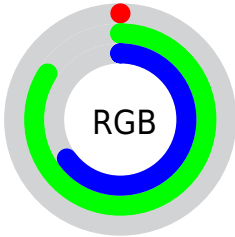
Format	Color
RYB	0, 121, 215
Decimal	55206
CIELab	76.89, -55.55, 11.91
CIELCh	77, 56.812, 167.898
Yxy	51.3541, 0.2458, 0.4047
Android (android.graphics.Color)	4278245286 (0xFF00D7A6)
YUV	145.1290, 10.2894, -127.2781
Hunter-Lab	71.6618, -47.7344, 13.4739

Details

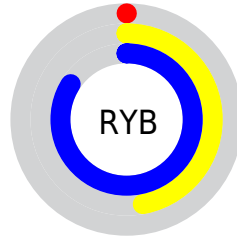
The XYZ color **31.1834, 51.3541, 44.3452** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **28.5807, 14.6703, 4.2344**, and the grayscale version is **26.9625, 28.3666, 30.8913**.

A 20% lighter version of the original color is **54.6368, 79.7437, 80.9190**, and **15.4354, 26.0112, 20.1267** is the 20% darker color. If you saturate the color by 10%, you get **31.1838, 51.3557, 44.3432**, and if you desaturate by 10%, it is **31.9633, 51.7045, 46.7748**.

Distribution



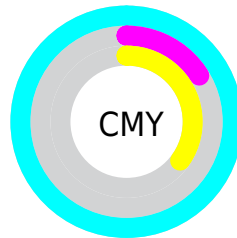
- Red (0%)
- Green (84%)
- Blue (65%)



- Red (0%)
- Yellow (47%)
- 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 31.1834, 51.3541, 44.3452 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 31.1834, 51.3541, 44.3452 by changing the saturation by 10% instead.

31.1834, 51.3541,
44.3452

31.1834, 51.3541,
44.3452

299.1942,
391.9380, 380.1976

20.8911, 36.4905,
30.6028

60.9026, 92.1780,
83.0449

13.1564, 24.8133,
20.0407

81.0601, 118.9070,
108.8394

7.6141, 15.9380,
12.2402

105.2368,
150.3600, 139.4882

3.8987, 9.4803,
6.7830

133.7979,
186.9214, 175.4100

1.6450, 5.0557,
3.2504

167.1088,
228.9754, 217.0233

0.4215, 2.2800,
1.2239

205.5350,

0.0000, 0.7631,

276.9066, 264.7466

0.0000

249.4416,
331.0994, 318.9986

■ 0.0000, 0.0000,
0.0000

■ 31.1834, 51.3541,
44.3452

■ 31.1834, 51.3541,
44.3452

■ 31.1838, 51.3557,
44.3432

■ 31.9633, 51.7045,
46.7748

■ 33.1159, 52.2437,
49.3111

■ 34.7605, 53.0346,
51.9618

■ 36.9629, 54.1110,
54.7309

■ 39.7785, 55.5014,
57.6220

■ 43.2558, 57.2308,
60.6381

■ 47.4384, 59.3218,
63.7823

■ 52.3663, 61.7948,
67.0573

■ 58.0761, 64.6688,
70.4656

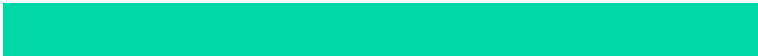
Harmonies

Analogous

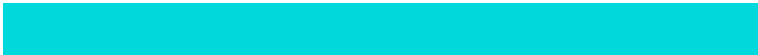
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.9610, 51.3541, 24.7570



31.1834, 51.3541, 44.3452



31.5884, 51.3541, 76.2683

Triad

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



31.1834, 51.3541, 44.3452



55.4781, 51.3541, 133.8046



64.1078, 51.3541, 22.3671

Complementary

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



31.1834, 51.3541, 44.3452



28.5807, 14.6703, 4.2344

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.



71.3718, 51.3541, 39.5503



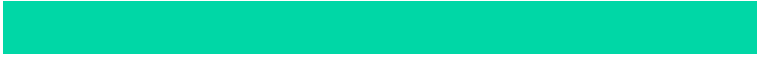
31.1834, 51.3541, 44.3452



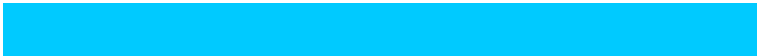
65.9058, 51.3541, 106.0508

Square

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



31.1834, 51.3541, 44.3452



44.5827, 51.3541, 136.6097



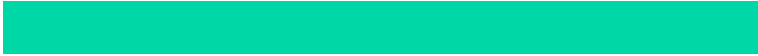
72.0745, 51.3541, 69.3422



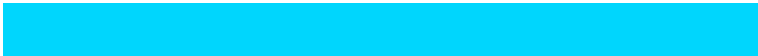
53.2975, 51.3541, 15.5811

Rectangle

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



31.1834, 51.3541, 44.3452



34.1824, 51.3541, 101.0086



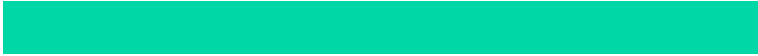
72.0745, 51.3541, 69.3422



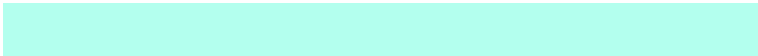
67.1101, 51.3541, 26.7510

Sweetspot

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



31.1848, 51.3561, 44.3464



69.6034, 87.1916, 93.7135



25.6263, 49.2857, 8.1633



14.3122, 18.3694, 19.6325



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.



31.1848, 51.3561, 44.3464



45.8237, 75.5455, 64.9147



24.4384, 29.2503, 68.6502



12.6654, 14.0572, 15.3186



18.6930, 30.7326, 26.7429



1.1578, 1.8658, 1.7726

Inverse Universe

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



28.5807, 14.6703, 4.2344



42.0069, 21.5668, 5.9685



29.5063, 17.4092, 1.8060



12.5380, 12.4667, 13.5076



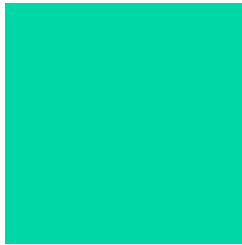
17.1272, 8.7872, 2.7080



1.0651, 0.5428, 0.3324

Previews

White Background



This preview shows how the XYZ color 31.1834, 51.3541, 44.3452 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 31.1834, 51.3541, 44.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

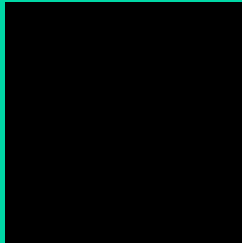
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

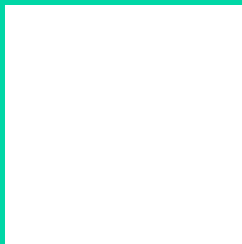
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1834, 51.3541, 44.3452

Background



This preview shows how black text looks on a background with the XYZ color 31.1834, 51.3541, 44.3452.



This preview shows how white text looks on a background with the XYZ color 31.1834, 51.3541,

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

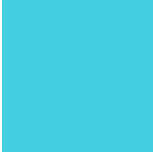
31.1834, 51.3541, 44.3452

Protanopia

47.5524, 50.5457, 37.3870

Deuteranopia

51.4222, 50.4701, 46.5666



Tritanopia

38.0821, 51.2008, 78.3966

Trichromacy



Original Color

31.1834, 51.3541, 44.3452



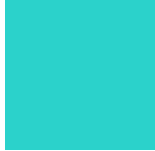
Protanomaly

35.1180, 47.3688, 39.6399



Deuteranomaly

36.5392, 46.6367, 45.1062



Tritanomaly

34.8223, 50.9186, 64.4929

Monochromacy



Original Color

31.1834, 51.3541, 44.3452



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.5381, 33.3247, 35.2760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1834, 51.3541, 44.3452 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 215, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 215, 166) }
```

Border

The CSS property to change the border of an element to XYZ 31.1834, 51.3541, 44.3452 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, 166) }
```


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

```
.border{ border-color:rgb(0, 215, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 215, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 215, 166); box-shadow:4px 4px 4px 4px rgb(0, 215, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1834, 51.3541, 44.3452 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, 166) }
```

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

```
.background{ background-color: rgb(0, 215,  
166) }
```

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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