

Converting Colors

XYZ(29.9300, 46.5206, 51.1006)

Have a look what the booklet for
XYZ(29.9300, 46.5206, 51.1006)
contains.

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Color

**XYZ(29.9334, 46.5219,
51.1180)**

Conversions

Conversions Part 1

Format	Color
Hex	00CCB5
RGB	0, 204, 181
RGB Percent	0%, 80%, 71%
CMY	0.9998, 0.2000, 0.2902
CMYK	1.00, 0.00, 0.11, 0.20
HSL	173°, 100%, 40%
HSV	173°, 100%, 80%
XYZ	29.9334, 46.5219, 51.1180
YIQ	140.3820, -114.2010, -50.4010

Conversions

Conversions Part 2

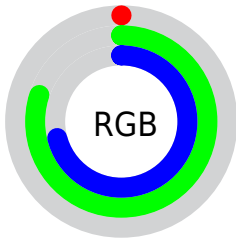
Format	Color
RYB	0, 108, 204
Decimal	52405
CIELab	73.88, -47.25, -0.47
CIELCh	74, 47.248, 180.572
Yxy	46.5219, 0.2346, 0.3647
Android (android.graphics.Color)	4278242485 (0xFF00CCB5)
YUV	140.3820, 20.0247, -123.1150
Hunter-Lab	68.2070, -41.0254, 3.3097

Details

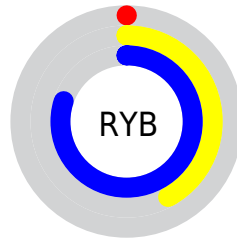
The XYZ color **29.9334, 46.5219, 51.1180** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **25.0582, 12.9007, 1.9823**, and the grayscale version is **25.0376, 26.3415, 28.6859**.

A 20% lighter version of the original color is **56.7550, 80.5775, 92.6825**, and **14.6437, 23.0534, 24.1000** is the 20% darker color. If you saturate the color by 10%, you get **29.9337, 46.5232, 51.1165**, and if you desaturate by 10%, it is **30.4699, 46.7720, 52.3868**.

Distribution



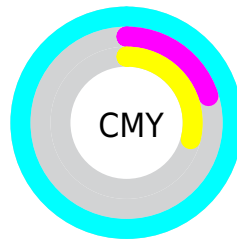
- Red (0%)
- Green (80%)
- Blue (71%)



- Red (0%)
- Yellow (42%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9334, 46.5219, 51.1180 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 29.9334, 46.5219, 51.1180 by changing the saturation by 10% instead.

■ 29.9334, 46.5219,
51.1180

■ 29.9334, 46.5219,
51.1180

293.5093,
372.9029, 407.8817

■ 19.9359, 32.6579,
35.9251

■ 58.9442, 84.9995,
93.2425

■ 12.4564, 21.8645,
24.0872

■ 78.6882, 110.3819,
121.0111

■ 7.1297, 13.7573,
15.1855

■ 102.4116,
140.3725, 153.8089

■ 3.5904, 7.9521,
8.8016

■ 130.4800,
175.3558, 192.0541

■ 1.4731, 4.0643,
4.5170

■ 163.2586,
215.7160, 236.1655

■ 0.3074, 1.7096,
1.9130

201.1128,

■ 0.0000, 0.4299,

261.8377, 286.5615

0.5010

244.4079,
314.1052, 343.6608

■ 0.0000, 0.0000,
0.0000

■ 29.9334, 46.5219,
51.1180

■ 29.9334, 46.5219,
51.1180

■ 29.9337, 46.5232,
51.1165

■ 30.4699, 46.7720,
52.3868

■ 31.3225, 47.1836,
53.6897

■ 32.5997, 47.8136,
55.0331

■ 34.3589, 48.6917,
56.4197

■ 36.6484, 49.8426,
57.8518

■ 39.5109, 51.2885,
59.3316

■ 42.9845, 53.0490,
60.8609

■ 47.1040, 55.1419,
62.4414

■ 51.9017, 57.5841,
64.0748

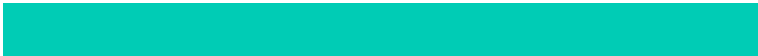
Harmonies

Analogous

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



31.5711, 46.5219, 31.1299



29.9334, 46.5219, 51.1180



31.7002, 46.5219, 78.0623

Triad

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



29.9334, 46.5219, 51.1180



52.9668, 46.5219, 101.9336



52.6521, 46.5219, 20.0683

Complementary

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



29.9334, 46.5219, 51.1180



25.0582, 12.9007, 1.9823

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.



59.6603, 46.5219, 30.5549



29.9334, 46.5219, 51.1180



59.8575, 46.5219, 76.9992

Square

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



29.9334, 46.5219, 51.1180



44.3792, 46.5219, 112.5434



62.4474, 46.5219, 50.1937



44.0565, 46.5219, 17.0143

Rectangle

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



29.9334, 46.5219, 51.1180



34.7183, 46.5219, 95.5312



62.4474, 46.5219, 50.1937



55.3087, 46.5219, 22.6335

Sweetspot

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



29.9347, 46.5237, 51.1191



70.9269, 87.7210, 100.6827



21.9666, 43.3794, 7.2165



14.6320, 18.4974, 21.3168



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.



29.9347, 46.5237, 51.1191



49.5208, 77.0243, 84.3834



18.3376, 19.2352, 59.8749



11.4867, 12.7044, 14.1201



18.8618, 29.2900, 32.2869



0.9889, 1.5174, 1.7493

Inverse Universe

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



25.0582, 12.9007, 1.9823



41.4588, 21.3475, 3.0821



27.6434, 18.3190, 2.0802



11.2629, 11.2339, 11.9191



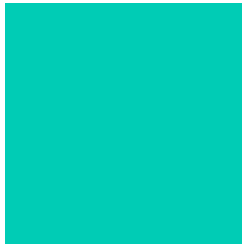
15.7885, 8.1260, 1.3387



0.8322, 0.4263, 0.1623

Previews

White Background



This preview shows how the XYZ color 29.9334, 46.5219, 51.1180 looks on a white background.

Color Contrast Check

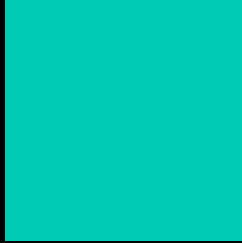
Large Text (above 18pt) WCAG AA × Fail

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 29.9334, 46.5219, 51.1180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

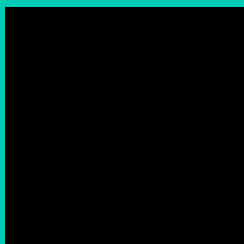
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

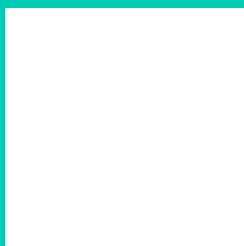
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9334, 46.5219, 51.1180

Background



This preview shows how black text looks on a background with the XYZ color 29.9334, 46.5219, 51.1180.

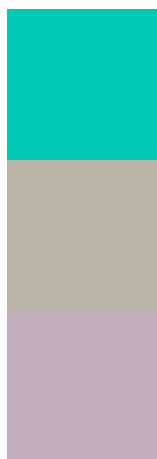


This preview shows how white text looks on a background with the XYZ color 29.9334, 46.5219,

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

29.9334, 46.5219, 51.1180

Protanopia

43.5460, 45.8716, 43.1182

Deuteranopia

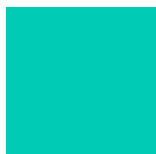
46.5477, 45.7171, 53.3847



Tritanopia

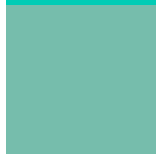
34.1574, 46.5100, 71.4670

Trichromacy



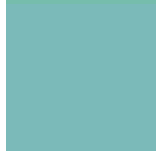
Original Color

29.9334, 46.5219, 51.1180



Protanomaly

33.1152, 43.2253, 45.6277



Deuteranomaly

34.4842, 42.8315, 52.3487



Tritanomaly

32.3258, 46.4252, 63.7571

Monochromacy



Original Color

29.9334, 46.5219, 51.1180



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.1334, 30.6848, 35.7138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9334, 46.5219, 51.1180 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, 204, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 181)  
}
```

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, 204, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 181) }
```

Border

The CSS property to change the border of an element to XYZ 29.9334, 46.5219, 51.1180 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, 204, 181) }
```


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

```
.border{ border-color:rgb(0, 204, 181) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 204,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9334, 46.5219, 51.1180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 181) }
```

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

```
.background{ background-color: rgb(0, 204,  
181) }
```

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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