

Converting Colors

XYZ(18.0128, 40.8545, 40.9704)

Have a look what the booklet for
XYZ(18.0128, 40.8545, 40.9704)
contains.

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Color

**XYZ(28.3529, 46.2713,
41.6193)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00CDA2 |
| RGB | 0, 205, 162 |
| RGB Percent | 0%, 80%, 64% |
| CMY | 0.9999, 0.1961, 0.3647 |
| CMYK | 1.00, 0.00, 0.21, 0.20 |
| HSL | 167°, 100%, 40% |
| HSV | 167°, 100%, 80% |
| XYZ | 28.3529, 46.2713, 41.6193 |
| YIQ | 138.8030, -108.3770, -56.8330 |

Conversions

Conversions Part 2

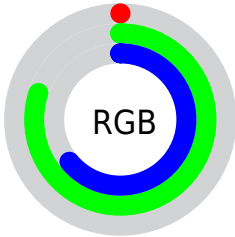
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 115, 205 |
| Decimal | 52642 |
| CIELab | 73.72, -52.64, 9.54 |
| CIELCh | 74, 53.503, 169.724 |
| Yxy | 46.2713, 0.2439, 0.3981 |
| Android (android.graphics.Color) | 4278242722 (0xFF00CDA2) |
| YUV | 138.8030, 11.4361, -121.7302 |
| Hunter-Lab | 68.0230, -44.6391, 11.3400 |

Details

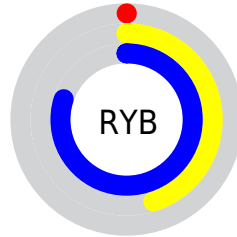
The XYZ color **28.3529, 46.2713, 41.6193** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.6146, 13.1548, 3.4772**, and the grayscale version is **24.4556, 25.7292, 28.0191**.

A 20% lighter version of the original color is **53.8779, 79.4133, 78.1343**, and **13.5619, 22.6207, 18.4033** is the 20% darker color. If you saturate the color by 10%, you get **28.3534, 46.2727, 41.6178**, and if you desaturate by 10%, it is **29.0421, 46.5828, 43.6827**.

Distribution



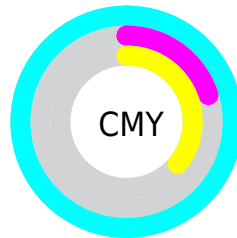
- Red (0%)
- Green (80%)
- Blue (64%)



- Red (0%)
- Yellow (45%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3529, 46.2713, 41.6193 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 28.3529, 46.2713, 41.6193 by changing the saturation by 10% instead.


 28.3529, 46.2713,
41.6193


 28.3529, 46.2713,
41.6193


286.1990,
371.8983, 368.6554


 18.7337, 32.4600,
28.4800


 56.4521, 84.6249,
78.8870


 11.5808, 21.7131,
18.4456


 75.6627, 109.9359,
103.8524


 6.5291, 13.6462,
11.0976


 98.8012, 139.8490,
133.5970

 3.2131, 7.8750,
6.0175

 126.2330,
174.7484, 168.5392

 1.2674, 4.0151,
2.7868

 158.3232,
215.0187, 209.0976

 0.1586, 1.6820,
0.9868

195.4374,

 0.0000, 0.4120,

261.0442, 255.6907

0.0000

237.9409,
313.2092, 308.7371

■ 0.0000, 0.0000,
0.0000

■ 28.3529, 46.2713,
41.6193

■ 28.3529, 46.2713,
41.6193

■ 28.3534, 46.2727,
41.6178

■ 29.0421, 46.5828,
43.6827

■ 30.0605, 47.0614,
45.8294

■ 31.5176, 47.7645,
48.0662

■ 33.4715, 48.7222,
50.3965

■ 35.9715, 49.9599,
52.8233

■ 39.0607, 51.4997,
55.3491

■ 42.7777, 53.3616,
57.9763

■ 47.1581, 55.5639,
60.7074

■ 52.2345, 58.1233,
63.5443

Harmonies

Analogous

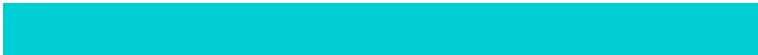
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.4715, 46.2713, 23.5795



28.3529, 46.2713, 41.6193



28.9375, 46.2713, 70.1635

Triad

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



28.3529, 46.2713, 41.6193



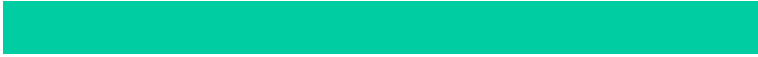
50.4318, 46.2713, 117.3512



56.8667, 46.2713, 20.0967

Complementary

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



28.3529, 46.2713, 41.6193



25.6146, 13.1548, 3.4772

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.



63.4968, 46.2713, 34.7183



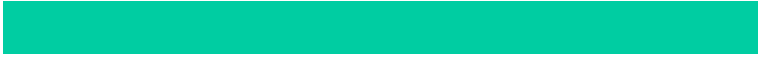
28.3529, 46.2713, 41.6193



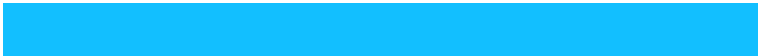
59.4273, 46.2713, 92.2966

Square

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



28.3529, 46.2713, 41.6193



40.8029, 46.2713, 121.3106



64.4960, 46.2713, 60.2947



47.3168, 46.2713, 14.4634

Rectangle

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



28.3529, 46.2713, 41.6193



31.3811, 46.2713, 91.7195



64.4960, 46.2713, 60.2947



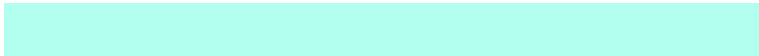
59.5657, 46.2713, 23.8131

Sweetspot

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



28.3542, 46.2731, 41.6204



69.8078, 87.2733, 94.7898



22.8899, 44.2095, 7.3276



14.3614, 18.3891, 19.8918



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.



28.3542, 46.2731, 41.6204



46.3621, 75.7608, 67.7497



21.4424, 25.2526, 61.5038



11.4385, 12.6852, 13.8667



17.6860, 28.8197, 26.0955



0.9384, 1.4972, 1.4830

Inverse Universe

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



25.6146, 13.1548, 3.4772



41.8941, 21.5216, 5.3743



26.6961, 16.0161, 1.6851



11.3070, 11.2515, 12.1513



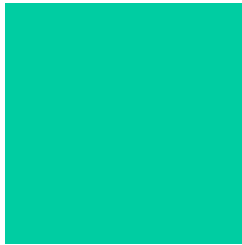
15.9735, 8.2000, 2.3133



0.8525, 0.4344, 0.2693

Previews

White Background



This preview shows how the XYZ color 28.3529, 46.2713, 41.6193 looks on a white background.

Color Contrast Check

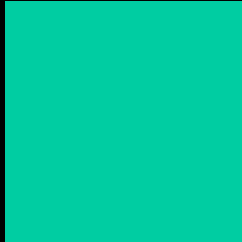
Large Text (above 18pt) WCAG AA × Fail

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 28.3529, 46.2713, 41.6193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

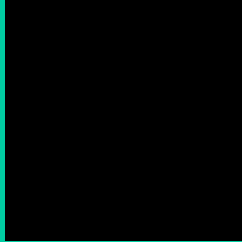
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

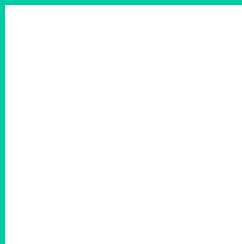
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3529, 46.2713, 41.6193

Background



This preview shows how black text looks on a background with the XYZ color 28.3529, 46.2713, 41.6193.

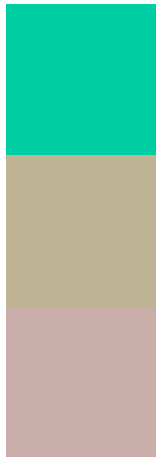


This preview shows how white text looks on a background with the XYZ color 28.3529, 46.2713,

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

28.3529, 46.2713, 41.6193

Protanopia

42.7801, 45.3573, 34.9338

Deuteranopia

46.3849, 45.5542, 43.8842



Tritanopia

34.3816, 46.3000, 70.7430

Trichromacy



Original Color

28.3529, 46.2713, 41.6193



Protanomaly

31.7011, 42.3645, 37.0782



Deuteranomaly

33.1340, 42.0403, 42.4446



Tritanomaly

31.6120, 46.1645, 58.8743

Monochromacy



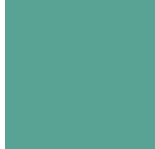
Original Color

28.3529, 46.2713, 41.6193



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

22.3882, 30.3757, 32.2869

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3529, 46.2713, 41.6193 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, 205, 162)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 162)  
}
```

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, 205, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 162) }
```

Border

The CSS property to change the border of an element to XYZ 28.3529, 46.2713, 41.6193 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, 205, 162) }
```


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

```
.border{ border-color:rgb(0, 205, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 162);  
box-shadow:4px 4px 4px 4px rgb(0, 205,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3529, 46.2713, 41.6193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 162) }
```

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

```
.background{ background-color: rgb(0, 205,  
162) }
```

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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