

Converting Colors

XYZ(28.1629, 45.3703, 52.0121)

Have a look what the booklet for
XYZ(28.1629, 45.3703, 52.0121)
contains.

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Color

**XYZ(29.9032, 46.1308,
52.1278)**

Conversions

Conversions Part 1

Format	Color
Hex	00CBB7
RGB	0, 203, 183
RGB Percent	0%, 80%, 72%
CMY	0.9999, 0.2039, 0.2823
CMYK	1.00, 0.00, 0.10, 0.20
HSL	174°, 100%, 40%
HSV	174°, 100%, 80%
XYZ	29.9032, 46.1308, 52.1278
YIQ	140.0230, -114.5680, -49.2560

Conversions

Conversions Part 2

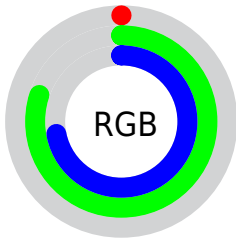
Format	Color
RYB	0, 107, 203
Decimal	52151
CIELab	73.63, -46.27, -1.92
CIELCh	74, 46.312, 182.381
Yxy	46.1308, 0.2333, 0.3599
Android (android.graphics.Color)	4278242231 (0xFF00CBB7)
YUV	140.0230, 21.1877, -122.8002
Hunter-Lab	67.9197, -40.2707, 2.0392

Details

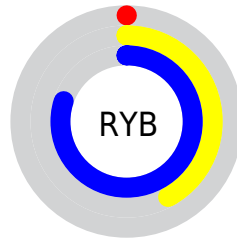
The XYZ color **29.9032, 46.1308, 52.1278** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **24.7565, 12.7484, 1.8195**, and the grayscale version is **24.8932, 26.1896, 28.5204**.

A 20% lighter version of the original color is **57.0489, 80.6951, 94.2303**, and **14.6192, 22.7915, 24.7478** is the 20% darker color. If you saturate the color by 10%, you get **29.9037, 46.1322, 52.1269**, and if you desaturate by 10%, it is **30.4092, 46.3685, 53.2473**.

Distribution



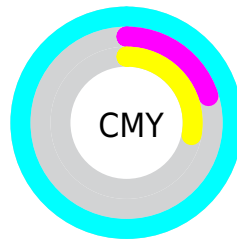
- Red (0%)
- Green (80%)
- Blue (72%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (20%)



- Cyan (100%)
- Magenta (20%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9032, 46.1308, 52.1278 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 29.9032, 46.1308, 52.1278 by changing the saturation by 10% instead.

■ 29.9032, 46.1308,
52.1278

■ 29.9032, 46.1308,
52.1278

293.3709,
371.3343, 411.9008

■ 19.9128, 32.3491,
36.7240

■ 58.8967, 84.4147,
94.7482

■ 12.4396, 21.6282,
24.6998

■ 78.6306, 109.6857,
122.8019

■ 7.1181, 13.5840,
15.6365

■ 102.3431,
139.5552, 155.9093

■ 3.5831, 7.8319,
9.1158

■ 130.3994,
174.4076, 194.4889

■ 1.4691, 3.9876,
4.7189

■ 163.1650,
214.6273, 238.9593

■ 0.3047, 1.6666,
2.0275

201.0052,

■ 0.0000, 0.4019,

260.5987, 289.7391

0.5721

244.2854,
312.7062, 347.2467

■ 0.0000, 0.0000,
0.0000

■ 29.9032, 46.1308,
52.1278

■ 29.9032, 46.1308,
52.1278

■ 29.9037, 46.1322,
52.1269

■ 30.4092, 46.3685,
53.2473

■ 31.2267, 46.7653,
54.3959

■ 32.4630, 47.3777,
55.5797

■ 34.1748, 48.2350,
56.8014

■ 36.4101, 49.3617,
58.0632

■ 39.2108, 50.7795,
59.3673

■ 42.6145, 52.5079,
60.7155

■ 46.6559, 54.5646,
62.1093

■ 51.3666, 56.9661,
63.5504

Harmonies

Analogous

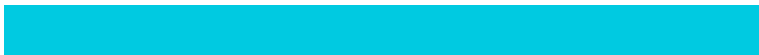
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.3062, 46.1308, 32.0673



29.9032, 46.1308, 52.1278



31.8324, 46.1308, 78.5016

Triad

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



29.9032, 46.1308, 52.1278



52.8440, 46.1308, 98.8311



51.5696, 46.1308, 19.9006

Complementary

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



29.9032, 46.1308, 52.1278



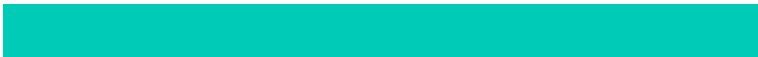
24.7565, 12.7484, 1.8195

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.



58.5556, 46.1308, 29.7183



29.9032, 46.1308, 52.1278



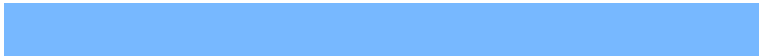
59.3535, 46.1308, 74.2070

Square

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



29.9032, 46.1308, 52.1278



44.5042, 46.1308, 110.2060



61.5625, 46.1308, 48.3761



43.1942, 46.1308, 17.2709

Rectangle

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



29.9032, 46.1308, 52.1278



34.9081, 46.1308, 95.1601



61.5625, 46.1308, 48.3761



54.1923, 46.1308, 22.2784

Sweetspot

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



29.9045, 46.1325, 52.1289



71.0948, 87.7881, 101.5670



21.6522, 42.8657, 7.1338



14.6728, 18.5137, 21.5314



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.



29.9045, 46.1325, 52.1289



50.0248, 77.2259, 87.0372



17.7174, 18.1863, 59.0784



11.4938, 12.7073, 14.1575



19.0489, 29.3649, 33.2722



0.9968, 1.5206, 1.7909

Inverse Universe

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



24.7565, 12.7484, 1.8195



41.4169, 21.3307, 2.8614



27.5887, 18.6152, 2.1401



11.2565, 11.2313, 11.8853



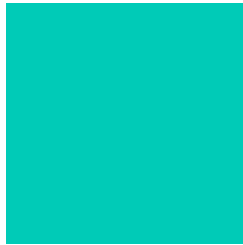
15.7696, 8.1184, 1.2393



0.8292, 0.4251, 0.1466

Previews

White Background



This preview shows how the XYZ color 29.9032, 46.1308, 52.1278 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 29.9032, 46.1308, 52.1278 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

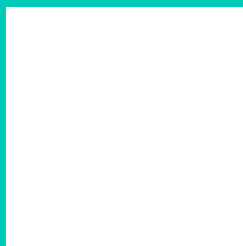
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9032, 46.1308, 52.1278

Background



This preview shows how black text looks on a background with the XYZ color 29.9032, 46.1308, 52.1278.

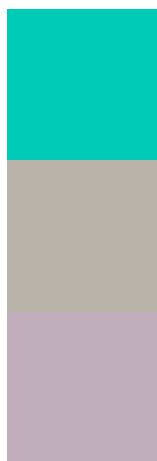


This preview shows how white text looks on a background with the XYZ color 29.9032, 46.1308,

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

29.9032, 46.1308, 52.1278

Protanopia

43.2891, 45.4191, 44.0213

Deuteranopia

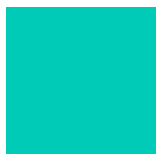
46.0596, 45.1527, 54.4319



Tritanopia

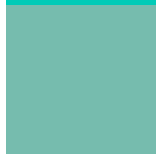
33.8251, 45.9983, 71.3858

Trichromacy



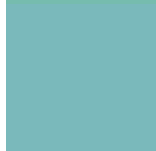
Original Color

29.9032, 46.1308, 52.1278



Protanomaly

33.0944, 42.8740, 46.5756



Deuteranomaly

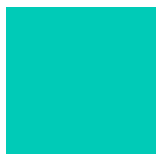
34.3446, 42.4234, 53.3921



Tritanomaly

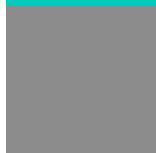
32.0294, 45.9274, 63.6767

Monochromacy



Original Color

29.9032, 46.1308, 52.1278



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

23.2178, 30.7185, 36.1581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9032, 46.1308, 52.1278 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, 203, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 183)  
}
```

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, 203, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 183) }
```

Border

The CSS property to change the border of an element to XYZ 29.9032, 46.1308, 52.1278 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, 203, 183) }
```


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

```
.border{ border-color:rgb(0, 203, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9032, 46.1308, 52.1278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 183) }
```

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

```
.background{ background-color: rgb(0, 203,  
183) }
```

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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