

Converting Colors

XYZ(23.7936, 49.0761, 34.0890)

Have a look what the booklet for
XYZ(23.7936, 49.0761, 34.0890)
contains.

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Color

**XYZ(30.0293, 52.1260,
34.4652)**

Conversions

Conversions Part 1

Format	Color
Hex	00DA8F
RGB	0, 218, 143
RGB Percent	0%, 85%, 56%
CMY	0.9999, 0.1451, 0.4392
CMYK	1.00, 0.00, 0.34, 0.15
HSL	159°, 100%, 43%
HSV	159°, 100%, 85%
XYZ	30.0293, 52.1260, 34.4652
YIQ	144.2680, -105.8530, -69.5410

Conversions

Conversions Part 2

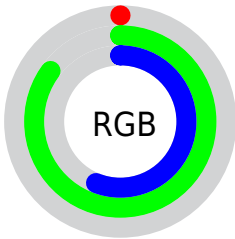
Format	Color
RYB	0, 132, 218
Decimal	55951
CIELab	77.36, -61.85, 24.66
CIELCh	77, 66.587, 158.267
Yxy	52.1260, 0.2575, 0.4470
Android (android.graphics.Color)	4278246031 (0xFF00DA8F)
YUV	144.2680, -0.6251, -126.5230
Hunter-Lab	72.1983, -52.1040, 22.2357

Details

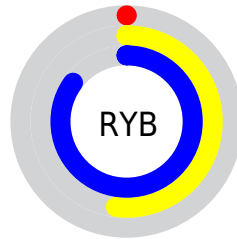
The XYZ color **30.0293, 52.1260, 34.4652** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **30.1854, 15.4146, 8.0443**, and the grayscale version is **26.6531, 28.0411, 30.5367**.

A 20% lighter version of the original color is **51.6637, 78.5545, 65.2629**, and **14.8521, 26.6134, 14.4793** is the 20% darker color. If you saturate the color by 10%, you get **30.0300, 52.1278, 34.4641**, and if you desaturate by 10%, it is **30.9448, 52.5315, 37.5756**.

Distribution



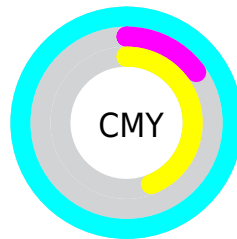
- Red (0%)
- Green (85%)
- Blue (56%)



- Red (0%)
- Yellow (52%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0293, 52.1260, 34.4652 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 30.0293, 52.1260, 34.4652 by changing the saturation by 10% instead.


 30.0293, 52.1260,
34.4652


 30.0293, 52.1260,
34.4652


293.9484,
394.9228, 337.0337


 20.0090, 37.1055,
22.9710


 59.0948, 93.3170,
67.7986


 12.5099, 25.2892,
14.3670


 78.8708, 120.2564,
90.4748


 7.1666, 16.2927,
8.2347


 102.6293,
151.9375, 117.7154

 3.6138, 9.7315,
4.1556

 130.7358,
188.7447, 149.9390

 1.4860, 5.2213,
1.7111

 163.5556,
231.0624, 187.5641

 0.3163, 2.3777,
0.3683

201.4540,

 0.0000, 0.8144,

279.2751, 231.0092

0.0000

244.7965,
333.7671, 280.6929

■ 0.0000, 0.0000,
0.0000

■ 30.0293, 52.1260,
34.4652

■ 30.0293, 52.1260,
34.4652

■ 30.0300, 52.1278,
34.4641

■ 30.9448, 52.5315,
37.5756

■ 32.2666, 53.1405,
40.9059

■ 34.1177, 54.0179,
44.4668

■ 36.5666, 55.1988,
48.2649

■ 39.6712, 56.7131,
52.3065

■ 43.4823, 58.5867,
56.5973

■ 48.0453, 60.8432,
61.1427

■ 53.4021, 63.5039,
65.9478

■ 59.5910, 66.5886,
71.0177

Harmonies

Analogous

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



35.8196, 52.1260, 17.4705



30.0293, 52.1260, 34.4652



28.9728, 52.1260, 67.4983

Triad

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



30.0293, 52.1260, 34.4652



53.1653, 52.1260, 158.8947



71.4723, 52.1260, 23.3545

Complementary

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



30.0293, 52.1260, 34.4652



30.1854, 15.4146, 8.0443

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.



78.0871, 52.1260, 47.2192



30.0293, 52.1260, 34.4652



66.3909, 52.1260, 131.9681

Square

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



30.0293, 52.1260, 34.4652



40.9836, 52.1260, 150.5531



76.0828, 52.1260, 87.0384



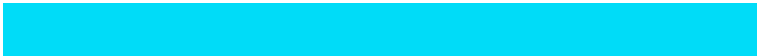
59.2209, 52.1260, 13.2482

Rectangle

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



30.0293, 52.1260, 34.4652



30.8857, 52.1260, 97.0763



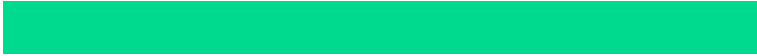
76.0828, 52.1260, 87.0384



74.5169, 52.1260, 29.5069

Sweetspot

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



30.0307, 52.1281, 34.4664



68.3331, 86.6835, 87.0241



28.0778, 51.6941, 8.4986



14.0075, 18.2475, 18.0278



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.



30.0307, 52.1281, 34.4664



42.7594, 74.3198, 48.7786



30.0686, 39.8882, 72.4466



13.2446, 14.7495, 15.7511



18.0428, 31.2498, 20.9227



1.2088, 2.0405, 1.5656

Inverse Universe

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



30.1854, 15.4146, 8.0443



42.9906, 21.9602, 11.1483



29.4506, 15.9780, 1.5323



13.2400, 13.1251, 14.5253



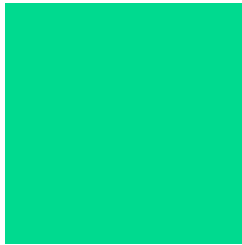
18.1288, 9.2526, 5.0585



1.2142, 0.6153, 0.5369

Previews

White Background



This preview shows how the XYZ color 30.0293, 52.1260, 34.4652 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 30.0293, 52.1260, 34.4652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

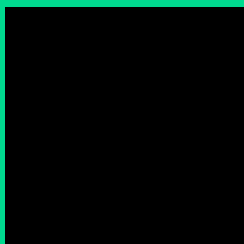
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0293, 52.1260, 34.4652

Background



This preview shows how black text looks on a background with the XYZ color 30.0293, 52.1260, 34.4652.

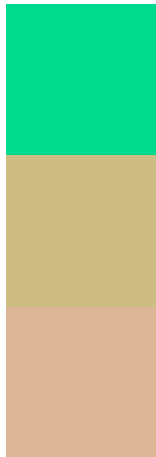


This preview shows how white text looks on a background with the XYZ color 30.0293, 52.1260,

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

30.0293, 52.1260, 34.4652

Protanopia

47.4712, 51.0130, 28.8172

Deuteranopia

52.1327, 51.0624, 36.3865



Tritanopia

39.1270, 52.0845, 79.2253

Trichromacy



Original Color

30.0293, 52.1260, 34.4652



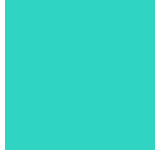
Protanomaly

34.2334, 47.8036, 30.3444



Deuteranomaly

35.8449, 46.8311, 35.1670



Tritanomaly

34.6127, 51.6555, 59.7760

Monochromacy



Original Color

30.0293, 52.1260, 34.4652



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.0106, 33.4147, 31.5698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0293, 52.1260, 34.4652 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, 218, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 143)  
}
```

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, 218, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 143) }
```

Border

The CSS property to change the border of an element to XYZ 30.0293, 52.1260, 34.4652 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, 218, 143) }
```


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

```
.border{ border-color:rgb(0, 218, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 218, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0293, 52.1260, 34.4652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 218, 143) }
```

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

```
.background{ background-color: rgb(0, 218,  
143) }
```

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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