

Converting Colors

XYZ(30.2661, 52.2990, 35.4731)

Have a look what the booklet for
XYZ(30.2661, 52.2990, 35.4731)
contains.

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Color

**XYZ(30.1822, 52.1871,
35.2704)**

Conversions

Conversions Part 1

Format	Color
Hex	00DA91
RGB	0, 218, 145
RGB Percent	0%, 85%, 57%
CMY	0.9999, 0.1451, 0.4314
CMYK	1.00, 0.00, 0.33, 0.15
HSL	160°, 100%, 43%
HSV	160°, 100%, 85%
XYZ	30.1822, 52.1871, 35.2704
YIQ	144.4960, -106.4950, -68.9190

Conversions

Conversions Part 2

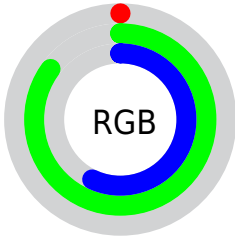
Format	Color
RYB	0, 131, 218
Decimal	55953
CIELab	77.39, -61.43, 23.67
CIELCh	77, 65.835, 158.932
Yxy	52.1871, 0.2566, 0.4436
Android (android.graphics.Color)	4278246033 (0xFF00DA91)
YUV	144.4960, 0.2485, -126.7230
Hunter-Lab	72.2406, -51.8437, 21.6210

Details

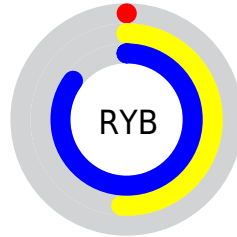
The XYZ color **30.1822, 52.1871, 35.2704** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **30.1180, 15.3877, 7.6898**, and the grayscale version is **26.7423, 28.1350, 30.6390**.

A 20% lighter version of the original color is **51.8945, 78.6468, 66.4781**, and **14.9407, 26.6488, 14.9460** is the 20% darker color. If you saturate the color by 10%, you get **30.1828, 52.1888, 35.2689**, and if you desaturate by 10%, it is **31.0916, 52.5901, 38.3482**.

Distribution



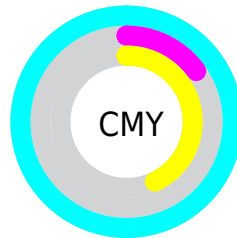
- Red (0%)
- Green (85%)
- Blue (57%)



- Red (0%)
- Yellow (51%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1822, 52.1871, 35.2704 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 30.1822, 52.1871, 35.2704 by changing the saturation by 10% instead.

 30.1822, 52.1871,
35.2704


 30.1822, 52.1871,
35.2704


294.6474,
395.1585, 340.7007


 20.1257, 37.1542,
23.5860


 59.3348, 93.4071,
69.0608


 12.5952, 25.3269,
14.8175

 79.1617, 120.3630,
92.0038


 7.2255, 16.3208,
8.5462


 102.9760,
152.0621, 119.5369

 3.6511, 9.7514,
4.3536

 131.1432,
188.8887, 152.0784

 1.5067, 5.2345,
1.8213

 164.0286,
231.2273, 190.0471

 0.3304, 2.3855,
0.4419

201.9975,

 0.0000, 0.8184,

279.4622, 233.8613

0.0000

245.4153,
333.9778, 283.9397

■ 0.0000, 0.0000,
0.0000

■ 30.1822, 52.1871,
35.2704

■ 30.1822, 52.1871,
35.2704

■ 30.1828, 52.1888,
35.2689

■ 31.0916, 52.5901,
38.3482

■ 32.4053, 53.1960,
41.6362

■ 34.2465, 54.0694,
45.1444

■ 36.6835, 55.2456,
48.8795

■ 39.7742, 56.7542,
52.8472

■ 43.5692, 58.6215,
57.0531

■ 48.1141, 60.8707,
61.5022

■ 53.4505, 63.5233,
66.1996

■ 59.6168, 66.5989,
71.1499

Harmonies

Analogous

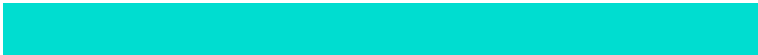
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.8272, 52.1871, 18.0214



30.1822, 52.1871, 35.2704



29.2360, 52.1871, 68.3457

Triad

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



30.1822, 52.1871, 35.2704



53.4775, 52.1871, 157.2281



71.0437, 52.1871, 23.3143

Complementary

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



30.1822, 52.1871, 35.2704



30.1180, 15.3877, 7.6898

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.



77.7366, 52.1871, 46.6739



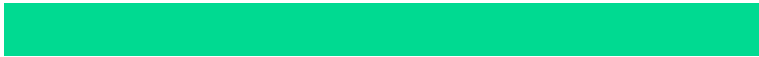
30.1822, 52.1871, 35.2704



66.5206, 52.1871, 130.1113

Square

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



30.1822, 52.1871, 35.2704



41.3582, 52.1871, 149.8306



75.9538, 52.1871, 85.7400



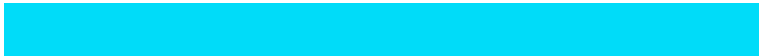
58.8749, 52.1871, 13.4427

Rectangle

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



30.1822, 52.1871, 35.2704



31.2064, 52.1871, 97.6492



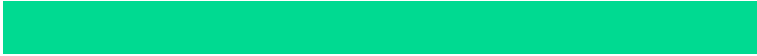
75.9538, 52.1871, 85.7400



74.0952, 52.1871, 29.3348

Sweetspot

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



30.1836, 52.1892, 35.2716



68.4311, 86.7227, 87.5401



28.0779, 51.6941, 8.4987



14.0309, 18.2569, 18.1512



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.



30.1836, 52.1892, 35.2716



42.9781, 74.4072, 49.9300



30.0686, 39.8884, 72.4465



13.2498, 14.7516, 15.7786



18.1339, 31.2862, 21.4023



1.2142, 2.0426, 1.5942

Inverse Universe

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



30.1180, 15.3877, 7.6898



42.8956, 21.9222, 10.6480



29.4507, 15.9781, 1.5324



13.2350, 13.1231, 14.4989



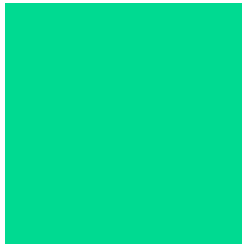
18.0877, 9.2361, 4.8418



1.2111, 0.6141, 0.5206

Previews

White Background



This preview shows how the XYZ color 30.1822, 52.1871, 35.2704 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 30.1822, 52.1871, 35.2704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

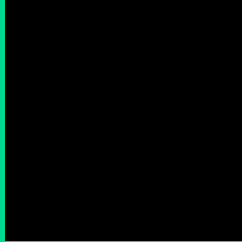
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

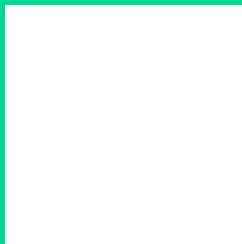
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1822, 52.1871, 35.2704

Background



This preview shows how black text looks on a background with the XYZ color 30.1822, 52.1871, 35.2704.

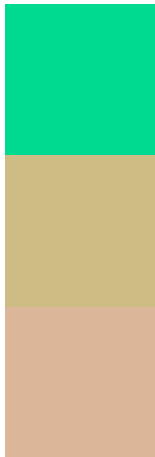


This preview shows how white text looks on a background with the XYZ color 30.1822, 52.1871,

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

30.1822, 52.1871, 35.2704

Protanopia

47.6081, 51.0678, 29.5382

Deuteranopia

51.9929, 50.9714, 37.2351



Tritanopia

39.1270, 52.0845, 79.2253

Trichromacy



Original Color

30.1822, 52.1871, 35.2704



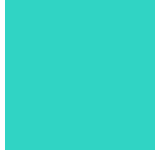
Protanomaly

34.3756, 47.8605, 31.0931



Deuteranomaly

35.8353, 46.8077, 36.0002



Tritanomaly

34.7262, 51.7009, 60.3736

Monochromacy



Original Color

30.1822, 52.1871, 35.2704



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.2770, 33.8247, 32.0374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1822, 52.1871, 35.2704 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, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 218, 145)  
}
```

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, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 218, 145) }
```

Border

The CSS property to change the border of an element to XYZ 30.1822, 52.1871, 35.2704 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, 145) }
```


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

```
.border{ border-color:rgb(0, 218, 145) }
```

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, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 218, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 218, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 218,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1822, 52.1871, 35.2704 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, 145) }
```

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

```
.background{ background-color: rgb(0, 218,  
145) }
```

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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