

Converting Colors

XYZ(29.9299, 52.6293, 32.2663)

Have a look what the booklet for
XYZ(29.9299, 52.6293, 32.2663)
contains.

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Color

**XYZ(29.8469, 52.4692,
32.2214)**

Conversions

Conversions Part 1

Format	Color
Hex	00DB89
RGB	0, 219, 137
RGB Percent	0%, 86%, 54%
CMY	0.9999, 0.1412, 0.4627
CMYK	1.00, 0.00, 0.37, 0.14
HSL	158°, 100%, 43%
HSV	158°, 100%, 86%
XYZ	29.8469, 52.4692, 32.2214
YIQ	144.1710, -104.2020, -71.9300

Conversions

Conversions Part 2

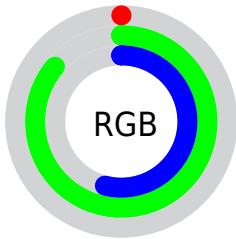
Format	Color
RYB	0, 135, 219
Decimal	56201
CIELab	77.56, -63.43, 28.03
CIELCh	78, 69.345, 156.155
Yxy	52.4692, 0.2606, 0.4581
Android (android.graphics.Color)	4278246281 (0xFF00DB89)
YUV	144.1710, -3.5353, -126.4380
Hunter-Lab	72.4356, -53.2119, 24.3311

Details

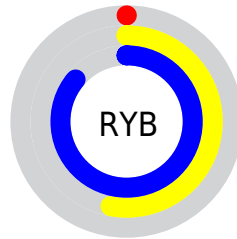
The XYZ color **29.8469, 52.4692, 32.2214** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.7386, 15.6706, 9.3916**, and the grayscale version is **26.6252, 28.0118, 30.5049**.

A 20% lighter version of the original color is **51.1078, 78.3458, 61.7188**, and **14.6000, 26.5125, 13.1520** is the 20% darker color. If you saturate the color by 10%, you get **29.8475, 52.4709, 32.2197**, and if you desaturate by 10%, it is **30.7881, 52.8852, 35.4555**.

Distribution



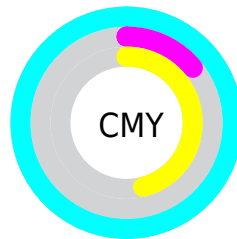
- Red (0%)
- Green (86%)
- Blue (54%)



- Red (0%)
- Yellow (53%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8469, 52.4692, 32.2214 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 29.8469, 52.4692, 32.2214 by changing the saturation by 10% instead.


 29.8469, 52.4692,
32.2214


 29.8469, 52.4692,
32.2214


293.1128,
396.2453, 326.6503


 19.8699, 37.3792,
21.2644


 58.8083, 93.8228,
64.2599


 12.4082, 25.5012,
13.1243

 78.5233, 120.8553,
86.1786


 7.0965, 16.4509,
7.3825

 102.2152,
152.6373, 112.5883

 3.5694, 9.8438,
3.6204

 130.2491,
189.5533, 143.9075

 1.4615, 5.2955,
1.4195

 162.9905,
231.9878, 180.5547

 0.2994, 2.4217,
0.1568

200.8046,

 0.0000, 0.8370,

280.3250, 222.9486

0.0000

244.0570,
334.9494, 271.5076

■ 0.0000, 0.0000,
0.0000

■ 29.8469, 52.4692,
32.2214

■ 29.8469, 52.4692,
32.2214

■ 29.8475, 52.4709,
32.2197

■ 30.7881, 52.8852,
35.4555

■ 32.1467, 53.5098,
38.9464

■ 34.0470, 54.4082,
42.7060

■ 36.5586, 55.6162,
46.7422

■ 39.7402, 57.1640,
51.0623

■ 43.6432, 59.0781,
55.6732

■ 48.3140, 61.3822,
60.5814

■ 53.7949, 64.0980,
65.7931

■ 60.1250, 67.2456,
71.3143

Harmonies

Analogous

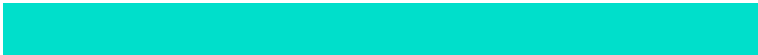
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.1803, 52.4692, 15.9005



29.8469, 52.4692, 32.2214



28.4162, 52.4692, 65.3996

Triad

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



29.8469, 52.4692, 32.2214



52.6800, 52.4692, 166.1520



73.6596, 52.4692, 23.7544

Complementary

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



29.8469, 52.4692, 32.2214



30.7386, 15.6706, 9.3916

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.



80.0702, 52.4692, 49.5887



29.8469, 52.4692, 32.2214



66.6400, 52.4692, 139.6564

Square

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



29.8469, 52.4692, 32.2214



40.1765, 52.4692, 154.4881



77.2954, 52.4692, 92.3910



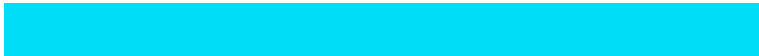
61.0101, 52.4692, 12.7651

Rectangle

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



29.8469, 52.4692, 32.2214



30.1593, 52.4692, 96.1505



77.2954, 52.4692, 92.3910



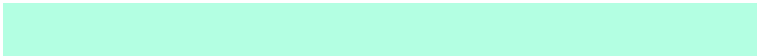
76.7097, 52.4692, 30.4182

Sweetspot

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



29.8483, 52.4713, 32.2226



68.0111, 86.5547, 85.3283



28.9855, 52.5481, 8.6157



13.9306, 18.2168, 17.6231



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.



29.8483, 52.4713, 32.2226



42.0625, 74.0410, 45.1086



31.9578, 43.4565, 73.7240



13.2273, 14.7426, 15.6601



17.7521, 31.1335, 19.3920



1.1913, 2.0335, 1.4735

Inverse Universe

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



30.7386, 15.6706, 9.3916



43.3278, 22.0951, 12.9244



29.5745, 15.7805, 1.4878



13.2567, 13.1318, 14.6130



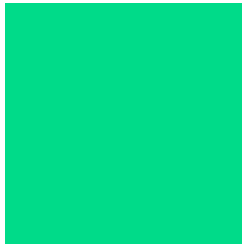
18.2743, 9.3108, 5.8247



1.2249, 0.6196, 0.5931

Previews

White Background



This preview shows how the XYZ color 29.8469, 52.4692, 32.2214 looks on a white background.

Color Contrast Check

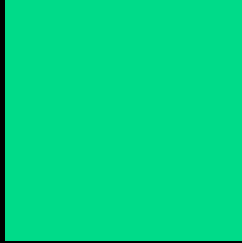
Large Text (above 18pt) WCAG AA × Fail

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 29.8469, 52.4692, 32.2214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

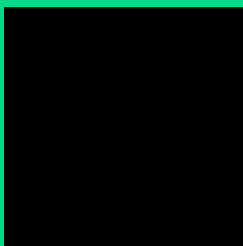
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

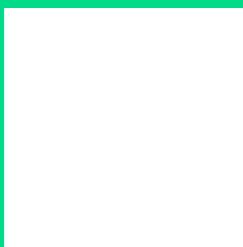
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.8469, 52.4692, 32.2214

Background



This preview shows how black text looks on a background with the XYZ color 29.8469, 52.4692, 32.2214.

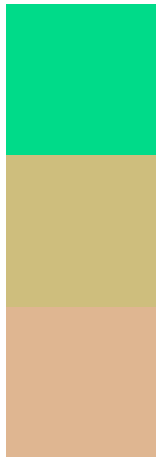


This preview shows how white text looks on a background with the XYZ color 29.8469, 52.4692,

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

29.8469, 52.4692, 32.2214

Protanopia

47.5687, 51.4294, 26.8218

Deuteranopia

52.2702, 51.1882, 33.9134



Tritanopia

39.2884, 52.1677, 79.2328

Trichromacy



Original Color

29.8469, 52.4692, 32.2214



Protanomaly

34.2092, 48.1836, 28.2662



Deuteranomaly

35.5529, 46.7340, 32.7379



Tritanomaly

34.4845, 51.6153, 58.5973

Monochromacy



Original Color

29.8469, 52.4692, 32.2214



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.7843, 33.3242, 30.3780

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8469, 52.4692, 32.2214 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, 219, 137)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 137)  
}
```

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, 219, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 137) }
```

Border

The CSS property to change the border of an element to XYZ 29.8469, 52.4692, 32.2214 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, 219, 137) }
```


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

```
.border{ border-color:rgb(0, 219, 137) }
```

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

Here you see how a box with a 4 pixel rgb(0, 219, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 137);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8469, 52.4692, 32.2214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 137) }
```

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

```
.background{ background-color: rgb(0, 219,  
137) }
```

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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