

Converting Colors

XYZ(29.7756, 52.5660, 31.4596)

Have a look what the booklet for
XYZ(29.7756, 52.5660, 31.4596)
contains.

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Color

**XYZ(29.7047, 52.4123,
31.4727)**

Conversions

Conversions Part 1

Format	Color
Hex	00DB87
RGB	0, 219, 135
RGB Percent	0%, 86%, 53%
CMY	0.9999, 0.1412, 0.4706
CMYK	1.00, 0.00, 0.38, 0.14
HSL	157°, 100%, 43%
HSV	157°, 100%, 86%
XYZ	29.7047, 52.4123, 31.4727
YIQ	143.9430, -103.5600, -72.5520

Conversions

Conversions Part 2

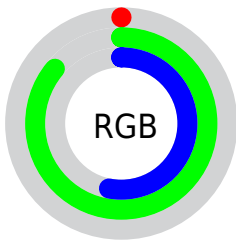
Format	Color
RYB	0, 135, 219
Decimal	56199
CIELab	77.53, -63.82, 29.02
CIELCh	78, 70.107, 155.552
Yxy	52.4123, 0.2615, 0.4614
Android (android.graphics.Color)	4278246279 (0xFF00DB87)
YUV	143.9430, -4.4089, -126.2380
Hunter-Lab	72.3963, -53.4539, 24.9024

Details

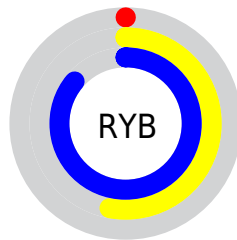
The XYZ color **29.7047, 52.4123, 31.4727** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **30.8157, 15.7015, 9.7981**, and the grayscale version is **26.5363, 27.9183, 30.4030**.

A 20% lighter version of the original color is **50.8892, 78.2583, 60.5673**, and **14.5206, 26.4808, 12.7335** is the 20% darker color. If you saturate the color by 10%, you get **29.7053, 52.4141, 31.4712**, and if you desaturate by 10%, it is **30.6501, 52.8300, 34.7289**.

Distribution



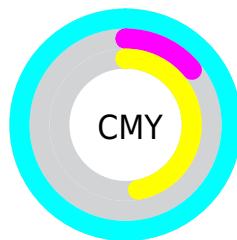
- Red (0%)
- Green (86%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (14%)



- Cyan (100%)
- Magenta (14%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7047, 52.4123, 31.4727 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 29.7047, 52.4123, 31.4727 by changing the saturation by 10% instead.

■ 29.7047, 52.4123,
31.4727

■ 29.7047, 52.4123,
31.4727

292.4601,
396.0263, 323.1286

■ 19.7615, 37.3338,
20.6976

■ 58.5847, 93.7390,
63.0718

■ 12.3291, 25.4661,
12.7140

■ 78.2522, 120.7560,
84.7329

■ 7.0420, 16.4246,
7.1035

■ 101.8919,
152.5213, 110.8597

■ 3.5349, 9.8251,
3.4475

■ 129.8691,
189.4194, 141.8707

■ 1.4426, 5.2832,
1.3274

■ 162.5492,
231.8345, 178.1846

■ 0.2862, 2.4143,
0.0841

200.2975,

■ 0.0000, 0.8333,

280.1510, 220.2199

0.0000

243.4793,
334.7535, 268.3950

■ 0.0000, 0.0000,
0.0000

■ 29.7047, 52.4123,
31.4727

■ 29.7047, 52.4123,
31.4727

■ 29.7053, 52.4141,
31.4712

■ 30.6501, 52.8300,
34.7289

■ 32.0149, 53.4570,
38.2526

■ 33.9235, 54.3587,
42.0561

■ 36.4456, 55.5709,
46.1478

■ 39.6399, 57.1239,
50.5352

■ 43.5580, 59.0439,
55.2257

■ 48.2462, 61.3550,
60.2260

■ 53.7470, 64.0788,
65.5428

■ 60.0995, 67.2354,
71.1822

Harmonies

Analogous

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



36.1813, 52.4123, 15.4047



29.7047, 52.4123, 31.4727



28.1674, 52.4123, 64.5759

Triad

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



29.7047, 52.4123, 31.4727



52.3731, 52.4123, 167.8344



74.0945, 52.4123, 23.8082

Complementary

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



29.7047, 52.4123, 31.4727



30.8157, 15.7015, 9.7981

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.



80.4202, 52.4123, 50.1660



29.7047, 52.4123, 31.4727



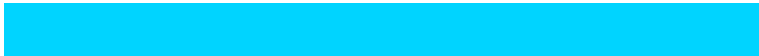
66.5073, 52.4123, 141.5729

Square

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



29.7047, 52.4123, 31.4727



39.8154, 52.4123, 155.1830



77.4191, 52.4123, 93.7498



61.3657, 52.4123, 12.5886

Rectangle

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



29.7047, 52.4123, 31.4727



29.8548, 52.4123, 95.5696



77.4191, 52.4123, 93.7498



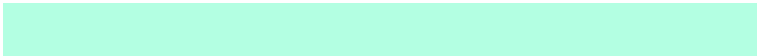
77.1358, 52.4123, 30.6074

Sweetspot

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



29.7061, 52.4144, 31.4739



67.9152, 86.5163, 84.8234



29.3205, 52.7208, 8.6313



13.9078, 18.2076, 17.5027



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.



29.7061, 52.4144, 31.4739



41.8615, 73.9606, 44.0500



32.7770, 45.0951, 73.9970



13.2222, 14.7405, 15.6329



17.6682, 31.0999, 18.9499



1.1862, 2.0314, 1.4467

Inverse Universe

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



30.8157, 15.7015, 9.7981



43.4359, 22.1384, 13.4937



29.4999, 15.6313, 1.4629



13.2617, 13.1338, 14.6394



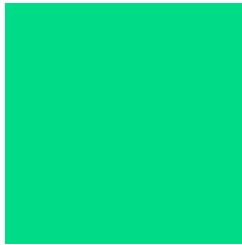
18.3208, 9.3294, 6.0694



1.2282, 0.6209, 0.6107

Previews

White Background



This preview shows how the XYZ color 29.7047, 52.4123, 31.4727 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 29.7047, 52.4123, 31.4727 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 29.7047, 52.4123, 31.4727

Background



This preview shows how black text looks on a background with the XYZ color 29.7047, 52.4123, 31.4727.



This preview shows how white text looks on a background with the XYZ color 29.7047, 52.4123, 31.4727.

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

29.7047, 52.4123, 31.4727

Protanopia

47.4422, 51.3788, 26.1555

Deuteranopia

52.5025, 51.3168, 33.5235



Tritanopia

39.3709, 52.2103, 79.2367

Trichromacy



Original Color

29.7047, 52.4123, 31.4727



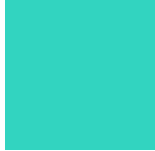
Protanomaly

34.0775, 48.1309, 27.5728



Deuteranomaly

35.6505, 46.7929, 32.3523



Tritanomaly

34.3733, 51.5708, 58.0117

Monochromacy



Original Color

29.7047, 52.4123, 31.4727



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 29.7047, 52.4123, 31.4727 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, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 135)  
}
```

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, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 135) }
```

Border

The CSS property to change the border of an element to XYZ 29.7047, 52.4123, 31.4727 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, 135) }
```


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

```
.border{ border-color:rgb(0, 219, 135) }
```

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, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7047, 52.4123, 31.4727 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, 135) }
```

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

```
.background{ background-color: rgb(0, 219,  
135) }
```

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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