

Converting Colors

XYZ(29.8265, 54.9284, 34.2146)

Have a look what the booklet for
XYZ(29.8265, 54.9284, 34.2146)
contains.

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Color

**XYZ(31.7329, 55.7735,
34.2922)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00E18D |
| RGB | 0, 225, 141 |
| RGB Percent | 0%, 88%, 55% |
| CMY | 0.9999, 0.1176, 0.4470 |
| CMYK | 1.00, 0.00, 0.37, 0.12 |
| HSL | 158°, 100%, 44% |
| HSV | 158°, 100%, 88% |
| XYZ | 31.7329, 55.7735, 34.2922 |
| YIQ | 148.1490, -107.1360, -73.8240 |

Conversions

Conversions Part 2

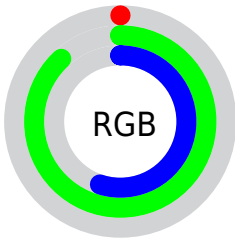
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 138, 225 |
| Decimal | 57741 |
| CIELab | 79.48, -64.71, 28.55 |
| CIELCh | 79, 70.728, 156.188 |
| Yxy | 55.7735, 0.2605, 0.4579 |
| Android (android.graphics.Color) | 4278247821 (0xFF00E18D) |
| YUV | 148.1490, -3.5245, -129.9267 |
| Hunter-Lab | 74.6817, -54.8467, 25.0525 |

Details

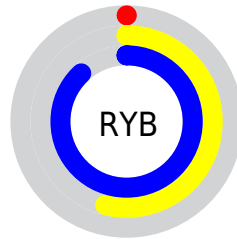
The XYZ color **31.7329, 55.7735, 34.2922** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.6536, 16.6489, 9.8838**, and the grayscale version is **28.2597, 29.7314, 32.3774**.

A 20% lighter version of the original color is **51.6737, 78.5859, 64.0749**, and **15.8481, 28.7434, 14.3856** is the 20% darker color. If you saturate the color by 10%, you get **31.7337, 55.7754, 34.2910**, and if you desaturate by 10%, it is **32.7257, 56.2118, 37.7280**.

Distribution



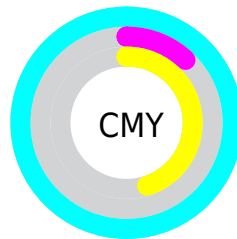
- Red (0%)
- Green (88%)
- Blue (55%)



- Red (0%)
- Yellow (54%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7329, 55.7735, 34.2922 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 31.7329, 55.7735, 34.2922 by changing the saturation by 10% instead.

 31.7329, 55.7735,
34.2922


 31.7329, 55.7735,
34.2922


301.6677,
408.8374, 336.2418


 21.3121, 40.0214,
22.8390


 61.7602, 98.6733,
67.5269


 13.4661, 27.5552,
14.2705


 82.0973, 126.5898,
90.1454

 7.8295, 17.9906,
8.1681


 106.4707,
159.3299, 117.3229

 4.0369, 10.9433,
4.1134

 135.2456,
197.2779, 149.4777

 1.7230, 6.0287,
1.6878

 168.7874,
240.8182, 187.0285

 0.4706, 2.8625,
0.3523

207.4614,

 0.0000, 1.0604,

290.3353, 230.3937

0.0000

251.6331,
346.2136, 279.9920

■ 0.0000, 0.0000,
0.0000

■ 31.7329, 55.7735,
34.2922

■ 31.7329, 55.7735,
34.2922

■ 31.7337, 55.7754,
34.2910

■ 32.7257, 56.2118,
37.7280

■ 34.1639, 56.8726,
41.4363

■ 36.1784, 57.8248,
45.4295

■ 38.8437, 59.1067,
49.7161

■ 42.2225, 60.7505,
54.3039

■ 46.3699, 62.7845,
59.2001

■ 51.3354, 65.2341,
64.4117

■ 57.1642, 68.1225,
69.9453

■ 63.8981, 71.4712,
75.8071

Harmonies

Analogous

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



38.4565, 55.7735, 16.9299



31.7329, 55.7735, 34.2922



30.2184, 55.7735, 69.5620

Triad

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



31.7329, 55.7735, 34.2922



56.0120, 55.7735, 176.5083



78.2687, 55.7735, 25.2458

Complementary

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



31.7329, 55.7735, 34.2922



32.6536, 16.6489, 9.8838

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.



85.0875, 55.7735, 52.6752



31.7329, 55.7735, 34.2922



70.8402, 55.7735, 148.3323

Square

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



31.7329, 55.7735, 34.2922



42.7251, 55.7735, 164.1674



82.1511, 55.7735, 98.1255



64.8280, 55.7735, 13.5784

Rectangle

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



31.7329, 55.7735, 34.2922



32.0744, 55.7735, 102.2333



82.1511, 55.7735, 98.1255



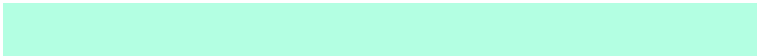
81.5112, 55.7735, 32.3210

Sweetspot

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



31.7343, 55.7757, 34.2935



68.0227, 86.5593, 85.3894



30.7882, 55.8434, 9.1566



13.9334, 18.2179, 17.6376



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.



31.7343, 55.7757, 34.2935



42.0871, 74.0508, 45.2378



33.9585, 46.1709, 78.3589



13.8882, 15.4810, 16.4465



18.3440, 32.1625, 20.0665



1.3144, 2.2465, 1.6169

Inverse Universe

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



32.6536, 16.6489, 9.8838



43.3150, 22.0900, 12.8567



31.4279, 16.7588, 1.5788



13.9178, 13.7848, 15.3374



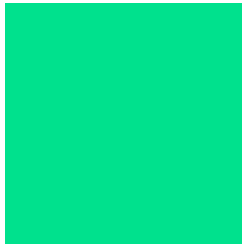
18.8675, 9.6140, 5.9682



1.3502, 0.6833, 0.6368

Previews

White Background



This preview shows how the XYZ color 31.7329, 55.7735, 34.2922 looks on a white background.

Color Contrast Check

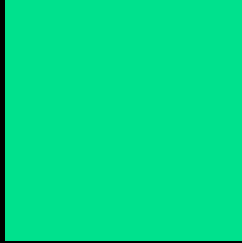
Large Text (above 18pt) WCAG AA × Fail

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 31.7329, 55.7735, 34.2922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

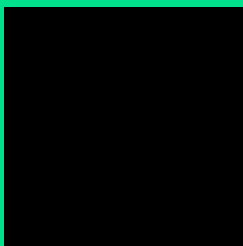
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

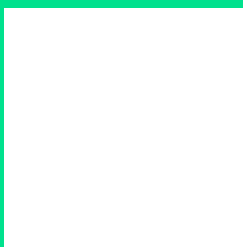
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.7329, 55.7735, 34.2922

Background



This preview shows how black text looks on a background with the XYZ color 31.7329, 55.7735, 34.2922.



This preview shows how white text looks on a background with the XYZ color 31.7329, 55.7735,

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

31.7329, 55.7735, 34.2922

Protanopia

50.6289, 54.6122, 28.6417

Deuteranopia

55.5884, 54.4007, 36.4247



Tritanopia

41.7786, 55.5681, 84.1251

Trichromacy



Original Color

31.7329, 55.7735, 34.2922



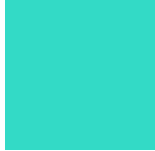
Protanomaly

36.2966, 50.9870, 30.1187



Deuteranomaly

38.0072, 49.9909, 35.2498



Tritanomaly

36.6297, 54.9238, 62.0969

Monochromacy



Original Color

31.7329, 55.7735, 34.2922



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.2523, 35.4747, 32.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7329, 55.7735, 34.2922 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, 225, 141)` looks like.

```
.text, #text, p{  
    color:rgb(0, 225, 141)  
}
```

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, 225, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 225, 141) }
```

Border

The CSS property to change the border of an element to XYZ 31.7329, 55.7735, 34.2922 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, 225, 141) }
```


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

```
.border{ border-color:rgb(0, 225, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 225, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 225, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 225, 141);  
box-shadow:4px 4px 4px 4px rgb(0, 225,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7329, 55.7735, 34.2922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 225, 141) }
```

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

```
.background{ background-color: rgb(0, 225,  
141) }
```

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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