

Converting Colors

XYZ(31.7063, 55.5059, 34.9437)

Have a look what the booklet for
XYZ(31.7063, 55.5059, 34.9437)
contains.

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Color

**XYZ(31.6136, 55.2945,
34.9933)**

Conversions

Conversions Part 1

Format	Color
Hex	00E08F
RGB	0, 224, 143
RGB Percent	0%, 88%, 56%
CMY	0.9999, 0.1216, 0.4392
CMYK	1.00, 0.00, 0.36, 0.12
HSL	158°, 100%, 44%
HSV	158°, 100%, 88%
XYZ	31.6136, 55.2945, 34.9933
YIQ	147.7900, -107.5030, -72.6790

Conversions

Conversions Part 2

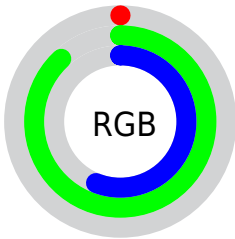
Format	Color
RYB	0, 137, 224
Decimal	57487
CIELab	79.21, -63.96, 27.16
CIELCh	79, 69.489, 156.991
Yxy	55.2945, 0.2593, 0.4536
Android (android.graphics.Color)	4278247567 (0xFF00E08F)
YUV	147.7900, -2.3615, -129.6118
Hunter-Lab	74.3603, -54.2428, 24.1508

Details

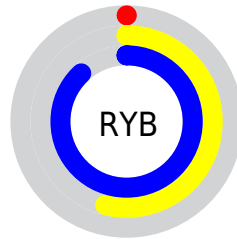
The XYZ color **31.6136, 55.2945, 34.9933** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.2279, 16.4428, 9.2644**, and the grayscale version is **28.1059, 29.5696, 32.2013**.

A 20% lighter version of the original color is **51.9014, 78.6770, 65.2740**, and **15.7505, 28.4101, 14.7788** is the 20% darker color. If you saturate the color by 10%, you get **31.6142, 55.2963, 34.9914**, and if you desaturate by 10%, it is **32.5912, 55.7265, 38.3607**.

Distribution



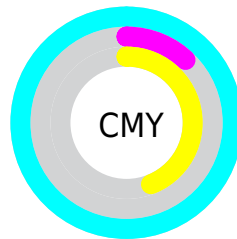
- Red (0%)
- Green (88%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (12%)





- Cyan (100%)
- Magenta (12%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6136, 55.2945, 34.9933 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 31.6136, 55.2945, 34.9933 by changing the saturation by 10% instead.


 31.6136, 55.2945,
34.9933


 31.6136, 55.2945,
34.9933


301.1320,
407.0273, 339.4421


 21.2206, 39.6376,
23.3742


 61.5741, 97.9723,
68.6268


 13.3988, 27.2561,
14.6622


 81.8724, 125.7620,
91.4784


 7.7826, 17.7656,
8.4387


 106.2032,
158.3647, 118.9111

 4.0068, 10.7819,
4.2851

 134.9318,
196.1648, 151.3436

 1.7060, 5.9203,
1.7830

 168.4237,
239.5467, 189.1944

 0.4600, 2.7967,
0.4167

207.0441,

 0.0000, 1.0265,

288.8948, 232.8821

0.0000

251.1584,
344.5936, 282.8251

■ 0.0000, 0.0000,
0.0000

■ 31.6136, 55.2945,
34.9933

■ 31.6136, 55.2945,
34.9933

■ 31.6142, 55.2963,
34.9914

■ 32.5912, 55.7265,
38.3607

■ 34.0068, 56.3775,
41.9835

■ 35.9900, 57.3158,
45.8735

■ 38.6144, 58.5793,
50.0386

■ 41.9419, 60.1997,
54.4861

■ 46.0270, 62.2050,
59.2226

■ 50.9184, 64.6203,
64.2547

■ 56.6609, 67.4686,
69.5883

■ 63.2957, 70.7709,
75.2294

Harmonies

Analogous

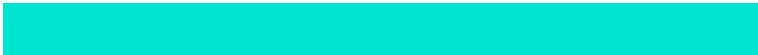
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



38.0734, 55.2945, 17.4583



31.6136, 55.2945, 34.9933



30.2614, 55.2945, 70.0004

Triad

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



31.6136, 55.2945, 34.9933



55.8727, 55.2945, 172.4470



76.8931, 55.2945, 24.9247

Complementary

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



31.6136, 55.2945, 34.9933



32.2279, 16.4428, 9.2644

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.



83.7570, 55.2945, 51.3712



31.6136, 55.2945, 34.9933



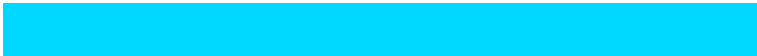
70.3112, 55.2945, 144.2501

Square

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



31.6136, 55.2945, 34.9933



42.7962, 55.2945, 161.5634



81.1575, 55.2945, 95.3088



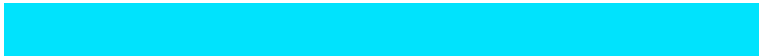
63.6966, 55.2945, 13.6903

Rectangle

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



31.6136, 55.2945, 34.9933



32.1756, 55.2945, 102.0008



81.1575, 55.2945, 95.3088



80.1144, 55.2945, 31.7453

Sweetspot

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



31.6150, 55.2967, 34.9946



68.1464, 86.6088, 86.0407



30.1494, 55.1139, 9.0496



13.9629, 18.2297, 17.7930



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.



31.6150, 55.2967, 34.9946



42.3513, 74.1565, 46.6291



32.7782, 44.0279, 77.2943



13.8952, 15.4838, 16.4834



18.4580, 32.2080, 20.6664



1.3218, 2.2495, 1.6559

Inverse Universe

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



32.2279, 16.4428, 9.2644



43.1814, 22.0365, 12.1530



31.2031, 16.7707, 1.5931



13.9110, 13.7821, 15.3018



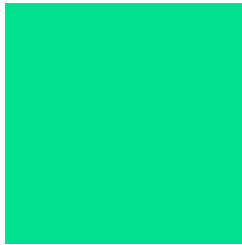
18.8081, 9.5903, 5.6554



1.3456, 0.6815, 0.6126

Previews

White Background



This preview shows how the XYZ color 31.6136, 55.2945, 34.9933 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 31.6136, 55.2945, 34.9933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

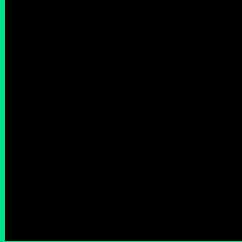
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6136, 55.2945, 34.9933

Background



This preview shows how black text looks on a background with the XYZ color 31.6136, 55.2945, 34.9933.

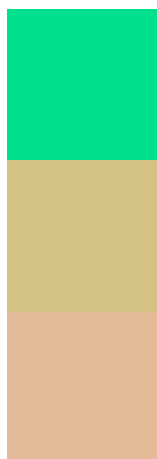


This preview shows how white text looks on a background with the XYZ color 31.6136, 55.2945,

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

31.6136, 55.2945, 34.9933

Protanopia

50.2525, 54.0712, 29.2609

Deuteranopia

55.4327, 54.3016, 37.2654



Tritanopia

41.4425, 55.0203, 84.0370

Trichromacy



Original Color

31.6136, 55.2945, 34.9933



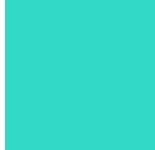
Protanomaly

36.0360, 50.4802, 30.7660



Deuteranomaly

37.7561, 49.4982, 35.9979



Tritanomaly

36.4370, 54.4273, 62.6179

Monochromacy



Original Color

31.6136, 55.2945, 34.9933



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.3297, 35.5057, 32.7124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6136, 55.2945, 34.9933 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, 224, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 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, 224, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 143) }
```

Border

The CSS property to change the border of an element to XYZ 31.6136, 55.2945, 34.9933 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, 224, 143) }
```


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

```
.border{ border-color:rgb(0, 224, 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, 224, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6136, 55.2945, 34.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 143) }
```

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

```
.background{ background-color: rgb(0, 224,  
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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