

Converting Colors

XYZ(34.5947, 55.5682, 53.5237)

Have a look what the booklet for
XYZ(34.5947, 55.5682, 53.5237)
contains.

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Color

**XYZ(34.6685, 55.6614,
53.7163)**

Conversions

Conversions Part 1

Format	Color
Hex	00DEB7
RGB	0, 222, 183
RGB Percent	0%, 87%, 72%
CMY	0.9999, 0.1294, 0.2823
CMYK	1.00, 0.00, 0.18, 0.13
HSL	169°, 100%, 44%
HSV	169°, 100%, 87%
XYZ	34.6685, 55.6614, 53.7163
YIQ	151.1760, -119.7930, -59.1930

Conversions

Conversions Part 2

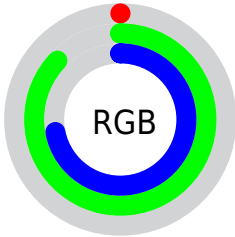
Format	Color
RYB	0, 122, 222
Decimal	57015
CIELab	79.42, -54.05, 6.49
CIELCh	79, 54.437, 173.157
Yxy	55.6614, 0.2407, 0.3864
Android (android.graphics.Color)	4278247095 (0xFF00DEB7)
YUV	151.1760, 15.6892, -132.5814
Hunter-Lab	74.6066, -47.6153, 9.5361

Details

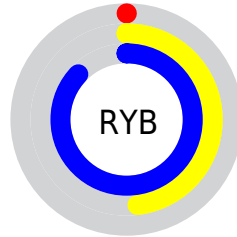
The XYZ color **34.6685, 55.6614, 53.7163** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **30.4924, 15.6776, 3.3417**, and the grayscale version is **29.4677, 31.0023, 33.7615**.

A 20% lighter version of the original color is **57.5243, 80.9401, 94.2525**, and **17.6655, 28.8841, 25.7632** is the 20% darker color. If you saturate the color by 10%, you get **34.6690, 55.6631, 53.7141**, and if you desaturate by 10%, it is **35.4175, 56.0013, 55.9017**.

Distribution



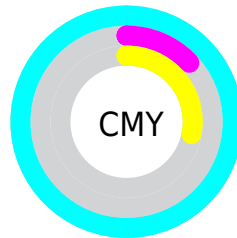
- Red (0%)
- Green (87%)
- Blue (72%)



- Red (0%)
- Yellow (48%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6685, 55.6614, 53.7163 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 34.6685, 55.6614, 53.7163 by changing the saturation by 10% instead.


 34.6685, 55.6614,
53.7163


 34.6685, 55.6614,
53.7163


314.6364,
408.4142, 418.1712


 23.5729, 39.9315,
37.9833


 66.3093, 98.5093,
97.1098


 15.1402, 27.4851,
25.6680


 87.5853, 126.3962,
125.6073


 9.0048, 17.9379,
16.3519


 112.9854,
159.1041, 159.1967

 4.8014, 10.9054,
9.6164

 142.8751,
197.0176, 198.2965

 2.1648, 6.0033,
5.0431

 177.6197,
240.5209, 243.3254

 0.7241, 2.8471,
2.2134

217.5846,

 0.0000, 1.0524,

289.9985, 294.7018

0.6821

263.1350,
345.8348, 352.8442

■ 0.0000, 0.0000,
0.0000

■ 34.6685, 55.6614,
53.7163

■ 34.6685, 55.6614,
53.7163

■ 34.6690, 55.6631,
53.7141

■ 35.4175, 56.0013,
55.9017

■ 36.5621, 56.5425,
58.1636

■ 38.2290, 57.3516,
60.5097

■ 40.4894, 58.4653,
62.9436

■ 43.4031, 59.9146,
65.4687

■ 47.0227, 61.7263,
68.0878

■ 51.3952, 63.9248,
70.8036

■ 56.5636, 66.5323,
73.6186

■ 62.5677, 69.5692,
76.5349

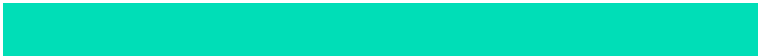
Harmonies

Analogous

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



37.8113, 55.6614, 31.2157



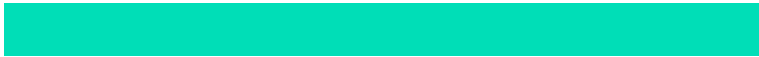
34.6685, 55.6614, 53.7163



35.8455, 55.6614, 87.4758

Triad

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



34.6685, 55.6614, 53.7163



61.6026, 55.6614, 134.4540



66.5266, 55.6614, 24.0841

Complementary

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



34.6685, 55.6614, 53.7163



30.4924, 15.6776, 3.3417

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.



74.6641, 55.6614, 39.8926



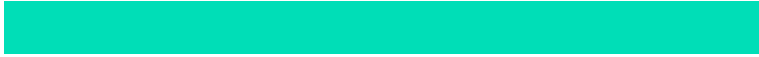
34.6685, 55.6614, 53.7163



71.5590, 55.6614, 104.3107

Square

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



34.6685, 55.6614, 53.7163



50.4408, 55.6614, 142.1106



76.6221, 55.6614, 68.0606



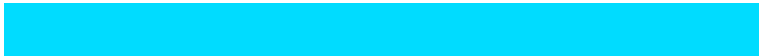
55.4472, 55.6614, 18.3484

Rectangle

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



34.6685, 55.6614, 53.7163



39.0125, 55.6614, 111.7713



76.6221, 55.6614, 68.0606



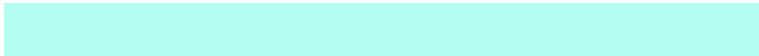
69.7555, 55.6614, 28.0667

Sweetspot

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



34.6701, 55.6635, 53.7176



70.1958, 87.4285, 96.8327



27.0261, 52.7103, 8.7507



14.4551, 18.4266, 20.3849



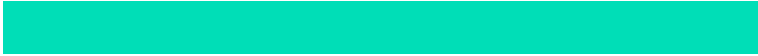
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.6701, 55.6635, 53.7176



47.4171, 76.1828, 73.3055



24.3675, 27.6380, 73.1600



14.0078, 15.5288, 17.0763



20.6290, 33.0765, 32.0990



1.4574, 2.3037, 2.3697

Inverse Universe

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



30.4924, 15.6776, 3.3417



41.7099, 21.4480, 4.4046



32.3360, 19.9514, 2.1477



13.8051, 13.7397, 14.7436



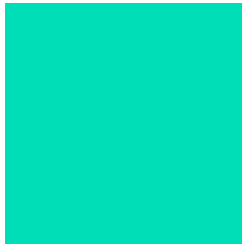
18.1394, 9.3228, 2.1339



1.2869, 0.6580, 0.3036

Previews

White Background



This preview shows how the XYZ color 34.6685, 55.6614, 53.7163 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 34.6685, 55.6614, 53.7163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

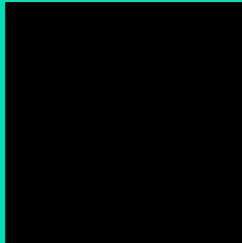
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

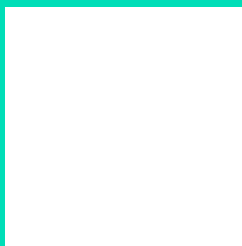
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.6685, 55.6614, 53.7163

Background



This preview shows how black text looks on a background with the XYZ color 34.6685, 55.6614, 53.7163.



This preview shows how white text looks on a background with the XYZ color 34.6685, 55.6614,

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

34.6685, 55.6614, 53.7163

Protanopia

51.8534, 54.8739, 45.3949

Deuteranopia

55.8108, 54.7118, 56.3341



Tritanopia

41.1884, 55.6079, 85.6533

Trichromacy



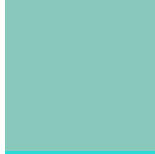
Original Color

34.6685, 55.6614, 53.7163



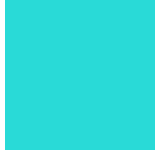
Protanomaly

38.6772, 51.4645, 47.9395



Deuteranomaly

40.1728, 50.6795, 54.6785



Tritanomaly

38.2516, 55.5205, 72.9904

Monochromacy



Original Color

34.6685, 55.6614, 53.7163



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.1569, 36.5754, 40.2788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6685, 55.6614, 53.7163 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, 222, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 183)  
}
```

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, 222, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 183) }
```

Border

The CSS property to change the border of an element to XYZ 34.6685, 55.6614, 53.7163 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, 222, 183) }
```


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

```
.border{ border-color:rgb(0, 222, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6685, 55.6614, 53.7163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 183) }
```

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

```
.background{ background-color: rgb(0, 222,  
183) }
```

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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