

Converting Colors

XYZ(33.6491, 55.1900, 48.5445)

Have a look what the booklet for
XYZ(33.6491, 55.1900, 48.5445)
contains.

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Color

**XYZ(33.6641, 55.2597,
48.4271)**

Conversions

Conversions Part 1

Format	Color
Hex	00DEAD
RGB	0, 222, 173
RGB Percent	0%, 87%, 68%
CMY	0.9999, 0.1294, 0.3216
CMYK	1.00, 0.00, 0.22, 0.13
HSL	167°, 100%, 44%
HSV	167°, 100%, 87%
XYZ	33.6641, 55.2597, 48.4271
YIQ	150.0360, -116.5830, -62.3030

Conversions

Conversions Part 2

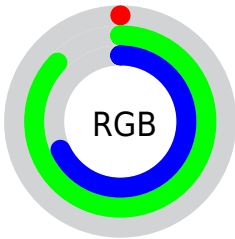
Format	Color
RYB	0, 125, 222
Decimal	57005
CIELab	79.19, -56.54, 11.46
CIELCh	79, 57.690, 168.545
Yxy	55.2597, 0.2451, 0.4023
Android (android.graphics.Color)	4278247085 (0xFF00DEAD)
YUV	150.0360, 11.3213, -131.5816
Hunter-Lab	74.3369, -49.2542, 13.4111

Details

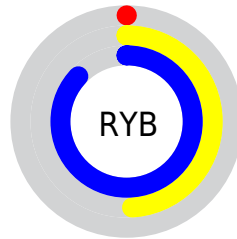
The XYZ color **33.6641, 55.2597, 48.4271** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **30.6807, 15.7528, 4.3328**, and the grayscale version is **28.9981, 30.5083, 33.2235**.

A 20% lighter version of the original color is **55.9479, 80.3096, 85.9513**, and **17.0874, 28.6529, 22.7191** is the 20% darker color. If you saturate the color by 10%, you get **33.6646, 55.2614, 48.4250**, and if you desaturate by 10%, it is **34.4843, 55.6281, 50.9881**.

Distribution



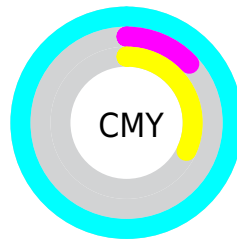
- Red (0%)
- Green (87%)
- Blue (68%)



- Red (0%)
- Yellow (49%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6641, 55.2597, 48.4271 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 33.6641, 55.2597, 48.4271 by changing the saturation by 10% instead.

■ 33.6641, 55.2597,
48.4271

■ 33.6641, 55.2597,
48.4271

310.2440,
406.8956, 397.0400

■ 22.7973, 39.6097,
33.8028

■ 64.7587, 97.9214,
89.2121

■ 14.5638, 27.2344,
22.4660

■ 85.7173, 125.7018,
116.2100

■ 8.5981, 17.7493,
13.9982

■ 110.7706,
158.2945, 148.1695

■ 4.5350, 10.7702,
7.9807

■ 140.2838,
196.0838, 185.5091

■ 2.0090, 5.9125,
3.9950

■ 174.6224,
239.4542, 228.6474

■ 0.6390, 2.7919,
1.6226

214.1518,

■ 0.0000, 1.0241,

288.7900, 278.0030

0.3069

259.2372,
344.4757, 333.9943

■ 0.0000, 0.0000,
0.0000

■ 33.6641, 55.2597,
48.4271

■ 33.6641, 55.2597,
48.4271

■ 33.6646, 55.2614,
48.4250

■ 34.4843, 55.6281,
50.9881

■ 35.7064, 56.2002,
53.6585

■ 37.4570, 57.0429,
56.4463

■ 39.8076, 58.1926,
59.3557

■ 42.8180, 59.6805,
62.3906

■ 46.5408, 61.5335,
65.5543

■ 51.0232, 63.7760,
68.8497

■ 56.3083, 66.4301,
72.2799

■ 62.4358, 69.5163,
75.8476

Harmonies

Analogous

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



37.6066, 55.2597, 27.1801



33.6641, 55.2597, 48.4271



34.1940, 55.2597, 82.6890

Triad

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



33.6641, 55.2597, 48.4271



59.8889, 55.2597, 142.5962



68.5972, 55.2597, 24.0424

Complementary

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



33.6641, 55.2597, 48.4271



30.6807, 15.7528, 4.3328

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.



76.4511, 55.2597, 42.1602



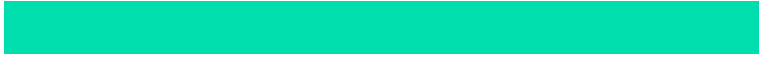
33.6641, 55.2597, 48.4271



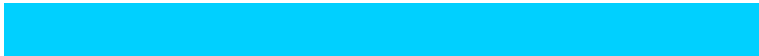
70.9383, 55.2597, 112.7064

Square

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



33.6641, 55.2597, 48.4271



48.2447, 55.2597, 146.2370



77.3656, 55.2597, 73.6689



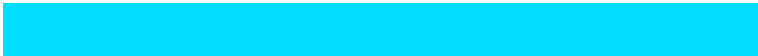
57.0464, 55.2597, 16.9462

Rectangle

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



33.6641, 55.2597, 48.4271



37.0309, 55.2597, 108.9981



77.3656, 55.2597, 73.6689



71.8254, 55.2597, 28.6590

Sweetspot

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



33.6656, 55.2618, 48.4284



69.6842, 87.2239, 94.1386



27.5295, 52.9699, 8.7741



14.3316, 18.3772, 19.7349



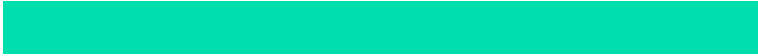
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.6656, 55.2618, 48.4284



46.0349, 75.6299, 66.0267



26.2493, 31.4015, 73.7874



13.9803, 15.5178, 16.9313



20.0387, 32.8403, 28.9903



1.4214, 2.2893, 2.1800

Inverse Universe

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



30.6807, 15.7528, 4.3328



41.9610, 21.5484, 5.7267



31.7009, 18.6811, 1.9359



13.8305, 13.7498, 14.8776



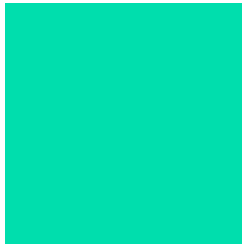
18.2568, 9.3697, 2.7520



1.2989, 0.6628, 0.3669

Previews

White Background



This preview shows how the XYZ color 33.6641, 55.2597, 48.4271 looks on a white background.

Color Contrast Check

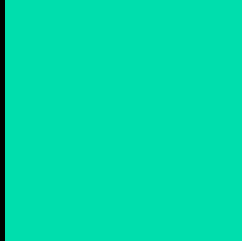
Large Text (above 18pt) WCAG AA × Fail

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 33.6641, 55.2597, 48.4271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

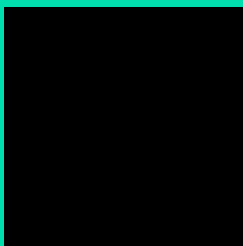
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

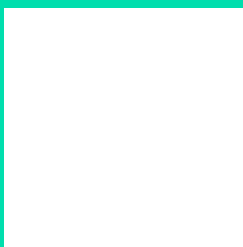
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6641, 55.2597, 48.4271

Background



This preview shows how black text looks on a background with the XYZ color 33.6641, 55.2597, 48.4271.

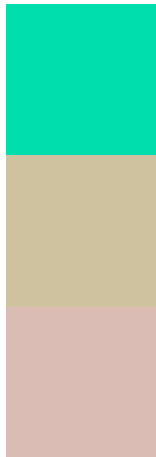


This preview shows how white text looks on a background with the XYZ color 33.6641, 55.2597,

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

33.6641, 55.2597, 48.4271

Protanopia

51.0034, 54.2086, 40.5760

Deuteranopia

55.2372, 54.2081, 51.2680



Tritanopia

41.0663, 55.1845, 84.8312

Trichromacy



Original Color

33.6641, 55.2597, 48.4271



Protanomaly

37.6538, 50.6914, 42.9218



Deuteranomaly

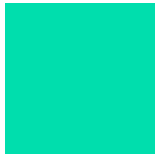
39.3376, 50.0119, 49.6994



Tritanomaly

37.6094, 54.8643, 70.2357

Monochromacy



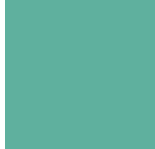
Original Color

33.6641, 55.2597, 48.4271



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.4162, 35.9522, 37.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6641, 55.2597, 48.4271 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 173)  
}
```

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, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.6641, 55.2597, 48.4271 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, 173) }
```


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

```
.border{ border-color:rgb(0, 222, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 173);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6641, 55.2597, 48.4271 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, 173) }
```

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

```
.background{ background-color: rgb(0, 222,  
173) }
```

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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