

Converting Colors

XYZ(22.0435, 43.5397, 36.6545)

Have a look what the booklet for
XYZ(22.0435, 43.5397, 36.6545)
contains.

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Color

**XYZ(27.6572, 46.3770,
36.7721)**

Conversions

Conversions Part 1

Format	Color
Hex	00CE97
RGB	0, 206, 151
RGB Percent	0%, 81%, 59%
CMY	0.9999, 0.1921, 0.4078
CMYK	1.00, 0.00, 0.27, 0.19
HSL	164°, 100%, 40%
HSV	164°, 100%, 81%
XYZ	27.6572, 46.3770, 36.7721
YIQ	138.1360, -105.1210, -60.7770

Conversions

Conversions Part 2

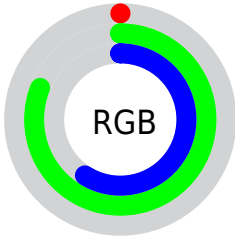
Format	Color
RYB	0, 119, 206
Decimal	52887
CIELab	73.79, -55.69, 15.53
CIELCh	74, 57.819, 164.418
Yxy	46.3770, 0.2496, 0.4185
Android (android.graphics.Color)	4278242967 (0xFF00CE97)
YUV	138.1360, 6.3420, -121.1453
Hunter-Lab	68.1007, -46.6833, 15.6558

Details

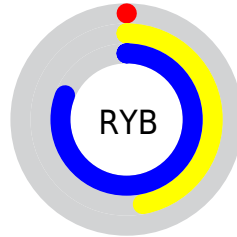
The XYZ color **27.6572, 46.3770, 36.7721** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.1449, 13.3988, 4.8255**, and the grayscale version is **24.2176, 25.4788, 27.7464**.

A 20% lighter version of the original color is **52.3730, 78.8113, 70.2094**, and **13.2066, 22.7328, 15.7484** is the 20% darker color. If you saturate the color by 10%, you get **27.6577, 46.3785, 36.7708**, and if you desaturate by 10%, it is **28.4168, 46.7169, 39.1956**.

Distribution



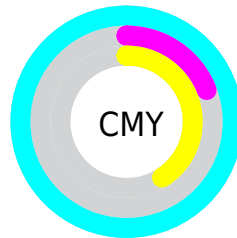
- Red (0%)
- Green (81%)
- Blue (59%)



- Red (0%)
- Yellow (47%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.6572, 46.3770, 36.7721 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 27.6572, 46.3770, 36.7721 by changing the saturation by 10% instead.


 27.6572, 46.3770,
36.7721


 27.6572, 46.3770,
36.7721


282.9351,
372.3222, 347.4617

 18.2065, 32.5434,
24.7367


 55.3492, 84.7829,
71.4045


 11.1990, 21.7769,
15.6638


 74.3212, 110.1241,
94.8386


 6.2691, 13.6931,
9.1348


 97.1977, 140.0699,
122.9094

 3.0516, 7.9075,
4.7312

 124.3440,
175.0047, 156.0353

 1.1811, 4.0358,
2.0344

 156.1256,
215.3129, 194.6350

 0.0914, 1.6936,
0.5763

192.9077,

 0.0000, 0.4195,

261.3790, 239.1269

0.0000

235.0558,
313.5873, 289.9296

■ 0.0000, 0.0000,
0.0000

■ 27.6572, 46.3770,
36.7721

■ 27.6572, 46.3770,
36.7721

■ 27.6577, 46.3785,
36.7708

■ 28.4168, 46.7169,
39.1956

■ 29.5173, 47.2290,
41.7443

■ 31.0693, 47.9713,
44.4258

■ 33.1319, 48.9744,
47.2443

■ 35.7550, 50.2638,
50.2034

■ 38.9823, 51.8622,
53.3066

■ 42.8532, 53.7898,
56.5569

■ 47.4037, 56.0651,
59.9574

■ 52.6670, 58.7053,
63.5109

Harmonies

Analogous

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



31.6484, 46.3770, 19.9064



27.6572, 46.3770, 36.7721



27.5811, 46.3770, 65.9353

Triad

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



27.6572, 46.3770, 36.7721



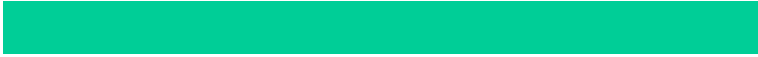
49.1843, 46.3770, 127.5060



59.7500, 46.3770, 20.3466

Complementary

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



27.6572, 46.3770, 36.7721



26.1449, 13.3988, 4.8255

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.



66.1157, 46.3770, 37.6783



27.6572, 46.3770, 36.7721



59.4030, 46.3770, 102.6481

Square

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



27.6572, 46.3770, 36.7721



38.9832, 46.3770, 126.9550



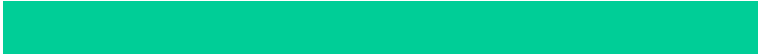
65.9796, 46.3770, 67.2708



49.6026, 46.3770, 13.2523

Rectangle

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



27.6572, 46.3770, 36.7721



29.7085, 46.3770, 89.7031



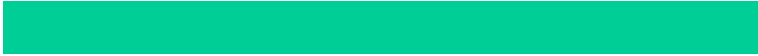
65.9796, 46.3770, 67.2708



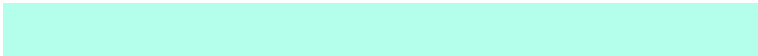
62.4684, 46.3770, 24.7926

Sweetspot

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



27.6585, 46.3788, 36.7732



69.1688, 87.0177, 91.4247



23.8395, 45.0554, 7.4407



14.2077, 18.3276, 19.0821



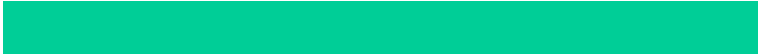
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.6585, 46.3788, 36.7732



44.7200, 75.1040, 59.1026



23.9516, 30.0771, 62.9378



11.4104, 12.6739, 13.7187



17.0722, 28.5742, 22.8631



0.9112, 1.4863, 1.3398

Inverse Universe

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



26.1449, 13.3988, 4.8255



42.2861, 21.6785, 7.4389



26.3798, 14.9725, 1.5002



11.3333, 11.2621, 12.2897



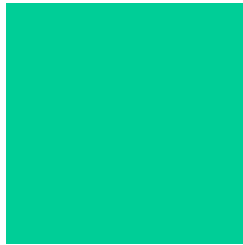
16.1330, 8.2638, 3.1532



0.8645, 0.4392, 0.3325

Previews

White Background



This preview shows how the XYZ color 27.6572, 46.3770, 36.7721 looks on a white background.

Color Contrast Check

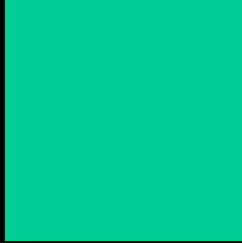
Large Text (above 18pt) WCAG AA × Fail

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 27.6572, 46.3770, 36.7721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

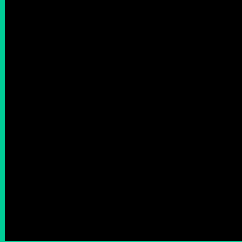
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

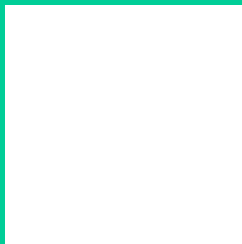
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6572, 46.3770, 36.7721

Background



This preview shows how black text looks on a background with the XYZ color 27.6572, 46.3770, 36.7721.



This preview shows how white text looks on a background with the XYZ color 27.6572, 46.3770,

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

27.6572, 46.3770, 36.7721

Protanopia

42.7197, 45.7131, 30.9980

Deuteranopia

46.2920, 45.3349, 38.6584



Tritanopia

34.6464, 46.4365, 70.7554

Trichromacy



Original Color

27.6572, 46.3770, 36.7721



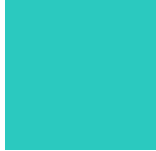
Protanomaly

31.1816, 42.5159, 32.5496



Deuteranomaly

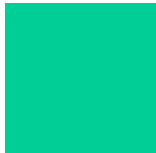
32.4713, 41.8103, 37.3691



Tritanomaly

31.2869, 46.0485, 56.5295

Monochromacy



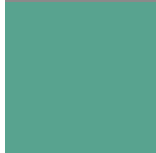
Original Color

27.6572, 46.3770, 36.7721



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.0796, 30.2523, 30.6622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6572, 46.3770, 36.7721 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, 206, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 151)  
}
```

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, 206, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 151) }
```

Border

The CSS property to change the border of an element to XYZ 27.6572, 46.3770, 36.7721 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, 206, 151) }
```


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

```
.border{ border-color:rgb(0, 206, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6572, 46.3770, 36.7721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 151) }
```

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

```
.background{ background-color: rgb(0, 206,  
151) }
```

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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