

Converting Colors

XYZ(24.1995, 44.6772, 34.8897)

Have a look what the booklet for
XYZ(24.1995, 44.6772, 34.8897)
contains.

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Color

**XYZ(27.3378, 46.2492,
35.0899)**

Conversions

Conversions Part 1

Format	Color
Hex	00CE93
RGB	0, 206, 147
RGB Percent	0%, 81%, 58%
CMY	0.9999, 0.1921, 0.4235
CMYK	1.00, 0.00, 0.29, 0.19
HSL	163°, 100%, 40%
HSV	163°, 100%, 81%
XYZ	27.3378, 46.2492, 35.0899
YIQ	137.6800, -103.8370, -62.0210

Conversions

Conversions Part 2

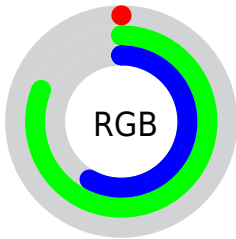
Format	Color
RYB	0, 120, 206
Decimal	52883
CIELab	73.71, -56.62, 17.55
CIELCh	74, 59.275, 162.782
Yxy	46.2492, 0.2516, 0.4256
Android (android.graphics.Color)	4278242963 (0xFF00CE93)
YUV	137.6800, 4.5948, -120.7454
Hunter-Lab	68.0068, -47.2573, 17.0125

Details

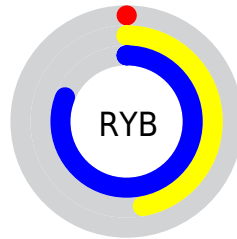
The XYZ color **27.3378, 46.2492, 35.0899** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **26.2449, 13.4389, 5.3521**, and the grayscale version is **24.0505, 25.3030, 27.5549**.

A 20% lighter version of the original color is **51.7821, 78.5618, 67.6931**, and **13.0177, 22.6572, 14.7535** is the 20% darker color. If you saturate the color by 10%, you get **27.3381, 46.2506, 35.0879**, and if you desaturate by 10%, it is **28.1152, 46.5963, 37.6071**.

Distribution



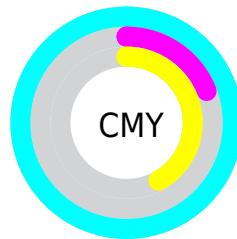
- Red (0%)
- Green (81%)
- Blue (58%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (19%)





- Cyan (100%)
- Magenta (19%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3378, 46.2492, 35.0899 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 27.3378, 46.2492, 35.0899 by changing the saturation by 10% instead.


 27.3378, 46.2492,
35.0899


 27.3378, 46.2492,
35.0899


281.4268,
371.8096, 339.8813


 17.9650, 32.4425,
23.4480


 54.8415, 84.5918,
68.7782


 11.0244, 21.6997,
14.7163


 73.7031, 109.8966,
91.6616


 6.1507, 13.6364,
8.4761


 96.4584, 139.8028,
119.1294

 2.9784, 7.8682,
4.3090

 123.4727,
174.6948, 151.6000

 1.1424, 4.0107,
1.7963

 155.1113,
214.9571, 189.4919

 0.0601, 1.6796,
0.4255

191.7396,

 0.0000, 0.4104,

260.9741, 233.2237

0.0000

233.7230,
313.1301, 283.2140

■ 0.0000, 0.0000,
0.0000

■ 27.3378, 46.2492,
35.0899

■ 27.3378, 46.2492,
35.0899

■ 27.3381, 46.2506,
35.0879

■ 28.1152, 46.5963,
37.6071

■ 29.2366, 47.1167,
40.2651

■ 30.8125, 47.8686,
43.0721

■ 32.9022, 48.8825,
46.0323

■ 35.5554, 50.1841,
49.1500

■ 38.8162, 51.7959,
52.4287

■ 42.7239, 53.7382,
55.8720

■ 47.3146, 56.0296,
59.4831

■ 52.6214, 58.6872,
63.2652

Harmonies

Analogous

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



31.6075, 46.2492, 18.6957



27.3378, 46.2492, 35.0899



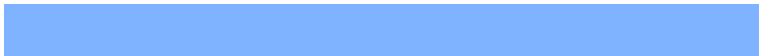
27.0438, 46.2492, 64.2836

Triad

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



27.3378, 46.2492, 35.0899



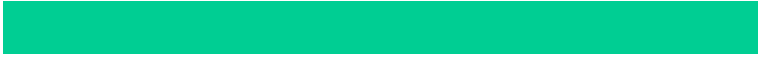
48.5845, 46.2492, 130.5525



60.5281, 46.2492, 20.3810

Complementary

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



27.3378, 46.2492, 35.0899



26.2449, 13.4389, 5.3521

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.



66.7680, 46.2492, 38.6036



27.3378, 46.2492, 35.0899



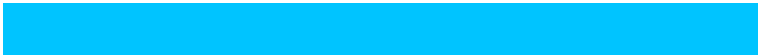
59.1688, 46.2492, 105.9246

Square

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



27.3378, 46.2492, 35.0899



38.2417, 46.2492, 128.3756



66.2343, 46.2492, 69.5136



50.2184, 46.2492, 12.8289

Rectangle

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



27.3378, 46.2492, 35.0899



29.0584, 46.2492, 88.6606



66.2343, 46.2492, 69.5136



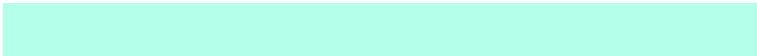
63.2397, 46.2492, 25.0642

Sweetspot

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



27.3390, 46.2510, 35.0910



68.9554, 86.9324, 90.3012



24.0475, 45.1626, 7.4506



14.1565, 18.3071, 18.8124



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.



27.3390, 46.2510, 35.0910



44.1990, 74.8956, 56.3591



24.5618, 31.2975, 63.1411



11.4009, 12.6701, 13.6687



16.8770, 28.4961, 21.8351



0.9024, 1.4828, 1.2934

Inverse Universe

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



26.2449, 13.4389, 5.3521



42.4440, 21.7416, 8.2704



26.2553, 14.7236, 1.4589



11.3423, 11.2656, 12.3370



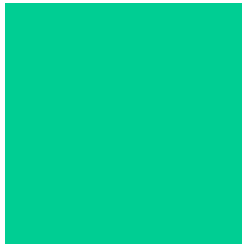
16.1963, 8.2891, 3.4865



0.8687, 0.4409, 0.3546

Previews

White Background



This preview shows how the XYZ color 27.3378, 46.2492, 35.0899 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 27.3378, 46.2492, 35.0899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

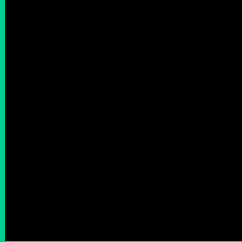
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

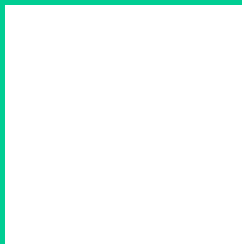
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3378, 46.2492, 35.0899

Background



This preview shows how black text looks on a background with the XYZ color 27.3378, 46.2492, 35.0899.

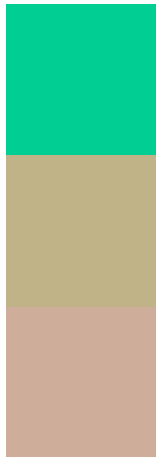


This preview shows how white text looks on a background with the XYZ color 27.3378, 46.2492,

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

27.3378, 46.2492, 35.0899

Protanopia

42.2315, 45.1959, 29.4195

Deuteranopia

46.2299, 45.3420, 36.8872



Tritanopia

34.3604, 45.9655, 70.0120

Trichromacy



Original Color

27.3378, 46.2492, 35.0899



Protanomaly

30.8838, 42.3968, 30.9818



Deuteranomaly

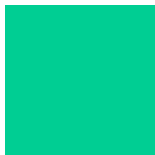
32.2949, 41.7576, 35.6361



Tritanomaly

30.8358, 45.4963, 55.3006

Monochromacy



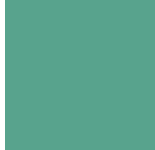
Original Color

27.3378, 46.2492, 35.0899



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

21.9294, 30.1922, 29.8712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3378, 46.2492, 35.0899 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 147) }
```

Border

The CSS property to change the border of an element to XYZ 27.3378, 46.2492, 35.0899 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, 147) }
```


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

```
.border{ border-color:rgb(0, 206, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 206, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 206, 147); box-shadow:4px 4px 4px 4px rgb(0, 206, 147) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3378, 46.2492, 35.0899 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, 147) }
```

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

```
.background{ background-color: rgb(0, 206,  
147) }
```

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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