

Converting Colors

XYZ(22.3456, 42.2377, 34.0021)

Have a look what the booklet for
XYZ(22.3456, 42.2377, 34.0021)
contains.

XYZ(26.3088, 44.3164, 34.3614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.3088, 44.3164,
34.3614)**

Conversions

Conversions Part 1

Format	Color
Hex	00CA92
RGB	0, 202, 146
RGB Percent	0%, 79%, 57%
CMY	0.9999, 0.2078, 0.4274
CMYK	1.00, 0.00, 0.28, 0.21
HSL	163°, 100%, 40%
HSV	163°, 100%, 79%
XYZ	26.3088, 44.3164, 34.3614
YIQ	135.2180, -102.4160, -60.2400

Conversions

Conversions Part 2

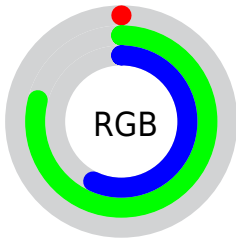
Format	Color
RYB	0, 117, 202
Decimal	51858
CIELab	72.44, -55.35, 16.32
CIELCh	72, 57.705, 163.575
Yxy	44.3164, 0.2506, 0.4221
Android (android.graphics.Color)	4278241938 (0xFF00CA92)
YUV	135.2180, 5.3155, -118.5862
Hunter-Lab	66.5706, -45.9550, 15.9960

Details

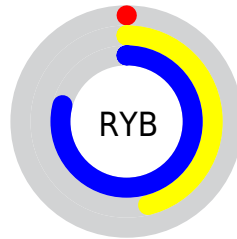
The XYZ color **26.3088, 44.3164, 34.3614** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **25.0725, 12.8431, 4.9013**, and the grayscale version is **23.1207, 24.3248, 26.4897**.

A 20% lighter version of the original color is **51.5522, 78.4568, 67.0702**, and **12.4993, 21.6937, 14.3550** is the 20% darker color. If you saturate the color by 10%, you get **26.3094, 44.3179, 34.3604**, and if you desaturate by 10%, it is **27.0492, 44.6477, 36.7275**.

Distribution



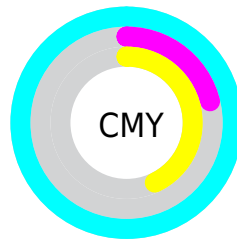
- Red (0%)
- Green (79%)
- Blue (57%)



- Red (0%)
- Yellow (46%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (21%)





- Cyan (100%)
- Magenta (21%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.3088, 44.3164, 34.3614 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 26.3088, 44.3164, 34.3614 by changing the saturation by 10% instead.


 26.3088, 44.3164,
34.3614


 26.3088, 44.3164,
34.3614


276.5237,
363.9979, 336.5587


 17.1887, 30.9193,
22.8918


 53.2005, 81.6936,
67.6356


 10.4653, 20.5374,
14.3091


 71.7027, 106.4426,
90.2772


 5.7731, 12.7863,
8.1947


 94.0631, 135.7443,
117.4800

 2.7470, 7.2816,
4.1303

 120.6469,
169.9831, 149.6623

 1.0214, 3.6388,
1.6971

 151.8195,
209.5435, 187.2428

 0.0000, 1.4736,
0.3587

187.9462,

 0.0000, 0.2701,

254.8098, 230.6400

0.0000

229.3925,
306.1665, 280.2725

■ 0.0000, 0.0000,
0.0000

■ 26.3088, 44.3164,
34.3614

■ 26.3088, 44.3164,
34.3614

■ 26.3094, 44.3179,
34.3604

■ 27.0492, 44.6477,
36.7275

■ 28.1159, 45.1435,
39.2210

■ 29.6157, 45.8600,
41.8492

■ 31.6048, 46.8262,
44.6162

■ 34.1308, 48.0666,
47.5259

■ 37.2354, 49.6027,
50.5815

■ 40.9561, 51.4538,
53.7862

■ 45.3273, 53.6374,
57.1430

■ 50.3807, 56.1700,
60.6547

Harmonies

Analogous

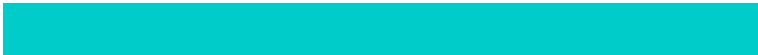
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.2641, 44.3164, 18.4517



26.3088, 44.3164, 34.3614



26.1293, 44.3164, 62.2875

Triad

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



26.3088, 44.3164, 34.3614



46.7726, 44.3164, 123.4960



57.5546, 44.3164, 19.4854

Complementary

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



26.3088, 44.3164, 34.3614



25.0725, 12.8431, 4.9013

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.



63.5855, 44.3164, 36.5029



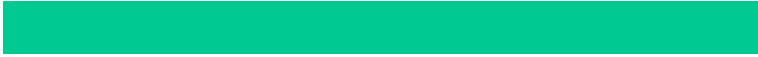
26.3088, 44.3164, 34.3614



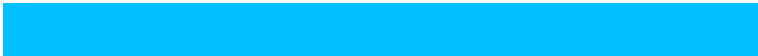
56.7303, 44.3164, 99.8165

Square

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



26.3088, 44.3164, 34.3614



36.9409, 44.3164, 122.1813



63.2621, 44.3164, 65.4597



47.7649, 44.3164, 12.4726

Rectangle

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



26.3088, 44.3164, 34.3614



28.1099, 44.3164, 85.3320



63.2621, 44.3164, 65.4597



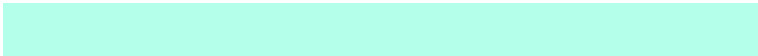
60.1528, 44.3164, 23.8551

Sweetspot

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



26.3100, 44.3181, 34.3624



69.0562, 86.9727, 90.8316



22.8229, 43.1198, 7.1206



14.1806, 18.3168, 18.9396



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.



26.3100, 44.3181, 34.3624



44.4432, 74.9933, 57.6452



22.9291, 28.8001, 60.2297



11.4054, 12.6719, 13.6923



16.9685, 28.5327, 22.3172



0.9065, 1.4844, 1.3152

Inverse Universe

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



25.0725, 12.8431, 4.9013



42.3677, 21.7111, 7.8685



25.2507, 14.3422, 1.4380



11.3380, 11.2639, 12.3146



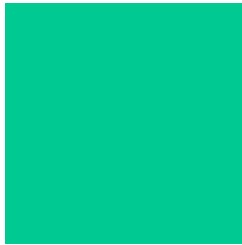
16.1658, 8.2769, 3.3257



0.8667, 0.4401, 0.3440

Previews

White Background



This preview shows how the XYZ color 26.3088, 44.3164, 34.3614 looks on a white background.

Color Contrast Check

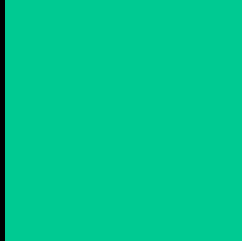
Large Text (above 18pt) WCAG AA × Fail

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 26.3088, 44.3164, 34.3614 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 26.3088, 44.3164, 34.3614

Background



This preview shows how black text looks on a background with the XYZ color 26.3088, 44.3164, 34.3614.



This preview shows how white text looks on a background with the XYZ color 26.3088, 44.3164,

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

26.3088, 44.3164, 34.3614

Protanopia

40.5674, 43.4633, 28.8054

Deuteranopia

44.4816, 43.6059, 36.2093



Tritanopia

33.2394, 44.4300, 67.7967

Trichromacy



Original Color

26.3088, 44.3164, 34.3614



Protanomaly

29.6821, 40.5260, 30.3026



Deuteranomaly

31.2862, 40.3250, 34.9887



Tritanomaly

29.9322, 44.0340, 53.9355

Monochromacy



Original Color

26.3088, 44.3164, 34.3614



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.8961, 28.6388, 28.8526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.3088, 44.3164, 34.3614 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, 202, 146)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 146)  
}
```

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, 202, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 146) }
```

Border

The CSS property to change the border of an element to XYZ 26.3088, 44.3164, 34.3614 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, 202, 146) }
```


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

```
.border{ border-color:rgb(0, 202, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 202, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 146);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 26.3088, 44.3164, 34.3614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 146) }
```

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

```
.background{ background-color: rgb(0, 202,  
146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor