

Converting Colors

XYZ(26.6258, 42.8313, 40.2961)

Have a look what the booklet for
XYZ(26.6258, 42.8313, 40.2961)
contains.

XYZ(26.6909, 43.0044, 40.1516)	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(26.6909, 43.0044,
40.1516)**

Conversions

Conversions Part 1

Format	Color
Hex	0CC6A0
RGB	12, 198, 160
RGB Percent	5%, 78%, 63%
CMY	0.9528, 0.2235, 0.3725
CMYK	0.94, 0.00, 0.19, 0.22
HSL	168°, 89%, 41%
HSV	168°, 94%, 78%
XYZ	26.6909, 43.0044, 40.1516
YIQ	138.0540, -98.6580, -51.2500

Conversions

Conversions Part 2

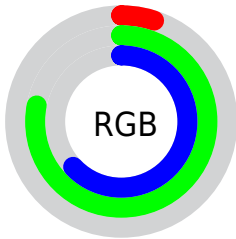
Format	Color
R _Y B	12, 116, 198
Decimal	837280
CIE Lab	71.56, -49.98, 7.54
CIE LCh	72, 50.546, 171.419
Yxy	43.0044, 0.2430, 0.3915
Android (android.graphics.Color)	4279027360 (0xFF0CC6A0)
YUV	138.0540, 10.8194, -110.5494
Hunter-Lab	65.5777, -42.1095, 9.6026

Details

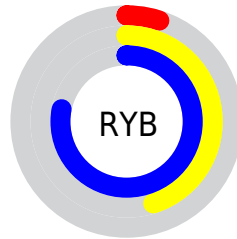
The XYZ color **26.6909, 43.0044, 40.1516** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.9977, 12.5003, 4.1689**, and the grayscale version is **24.1687, 25.4273, 27.6904**.

A 20% lighter version of the original color is **53.6193, 79.3099, 76.7723**, and **12.5828, 20.7490, 17.8098** is the 20% darker color. If you saturate the color by 10%, you get **26.3272, 42.8425, 39.0242**, and if you desaturate by 10%, it is **27.4902, 43.3760, 42.0680**.

Distribution



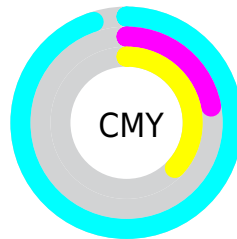
- Red (5%)
- Green (78%)
- Blue (63%)



- Red (5%)
- Yellow (45%)
- Blue (78%)



- Cyan (94%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)



- Cyan (95%)
- Magenta (22%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6909, 43.0044, 40.1516 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 26.6909, 43.0044, 40.1516 by changing the saturation by 10% instead.

■ 26.6909, 43.0044,
40.1516

■ 26.6909, 43.0044,
40.1516

278.3523,
358.6299, 362.3332

■ 17.4766, 29.8886,
27.3421

■ 53.8109, 79.7175,
76.6339

■ 10.6723, 19.7540,
17.5956

■ 72.4472, 104.0836,
101.1438

■ 5.9126, 12.2164,
10.4936

■ 94.9550, 132.9685,
130.3909

■ 2.8321, 6.8912,
5.6176

■ 121.6995,
166.7567, 164.7937

■ 1.0656, 3.3942,
2.5490

■ 153.0462,
205.8325, 204.7708

■ 0.0000, 1.3408,
0.8659

189.3603,

■ 0.0000, 0.1725,

250.5804, 250.7407

0.0000

231.0072,
301.3847, 303.1220

■ 0.0000, 0.0000,
0.0000

■ 26.6909, 43.0044,
40.1516

■ 26.6909, 43.0044,
40.1516

■ 26.3272, 42.8425,
39.0242

■ 27.4902, 43.3760,
42.0680

■ 28.6685, 43.9405,
44.0618

■ 30.2846, 44.7293,
46.1374

■ 32.3866, 45.7673,
48.2975

■ 35.0158, 47.0757,
50.5446

■ 38.2092, 48.6736,
52.8809

■ 42.0006, 50.5783,
55.3086

■ 46.4208, 52.8058,
57.8296

■ 51.4986, 55.3708,
60.4458

Harmonies

Analogous

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



29.3333, 43.0044, 23.1914



26.6909, 43.0044, 40.1516



27.4127, 43.0044, 66.1867

Triad

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



26.6909, 43.0044, 40.1516



47.1700, 43.0044, 105.6761



51.9952, 43.0044, 18.8406

Complementary

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



26.6909, 43.0044, 40.1516



23.9977, 12.5003, 4.1689

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.



58.1485, 43.0044, 31.6627



26.6909, 43.0044, 40.1516



55.1038, 43.0044, 82.7065

Square

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



26.6909, 43.0044, 40.1516



38.4727, 43.0044, 110.4290



59.3590, 43.0044, 54.1985



43.3740, 43.0044, 14.0152

Rectangle

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



26.6909, 43.0044, 40.1516



29.7545, 43.0044, 85.3419



59.3590, 43.0044, 54.1985



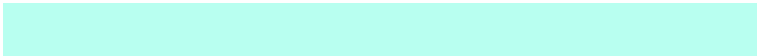
54.4681, 43.0044, 22.0920

Sweetspot

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



26.6921, 43.0061, 40.1526



71.2207, 87.9767, 95.9856



21.6941, 41.1548, 7.1490



14.6320, 18.5233, 20.1444



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.



26.6921, 43.0061, 40.1526



46.5269, 75.8268, 68.6177



20.5182, 24.5014, 57.0758



10.8503, 12.0290, 13.1616



17.1521, 27.8732, 25.5432



0.8363, 1.3295, 1.3367

Inverse Universe

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



23.9977, 12.5003, 4.1689



41.8622, 21.5089, 5.2065



25.2303, 15.7814, 2.0650



10.7210, 10.6718, 11.5143



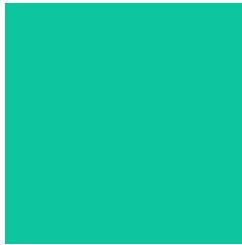
15.4247, 7.9194, 2.1801



0.7571, 0.3857, 0.2440

Previews

White Background



This preview shows how the XYZ color 26.6909, 43.0044, 40.1516 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 26.6909, 43.0044, 40.1516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

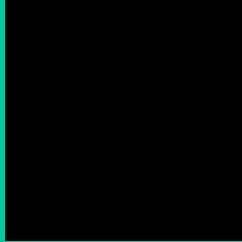
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

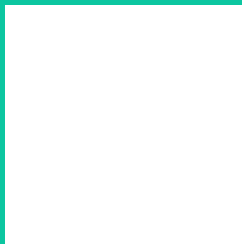
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.6909, 43.0044, 40.1516

Background



This preview shows how black text looks on a background with the XYZ color 26.6909, 43.0044, 40.1516.



This preview shows how white text looks on a background with the XYZ color 26.6909, 43.0044,

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

26.6909, 43.0044, 40.1516

Protanopia

39.7385, 42.0610, 33.6279

Deuteranopia

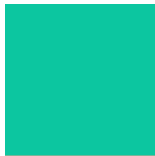
42.9700, 42.1327, 42.4269



Tritanopia

31.9756, 43.1649, 65.6779

Trichromacy



Original Color

26.6909, 43.0044, 40.1516



Protanomaly

30.2806, 39.7878, 35.7896



Deuteranomaly

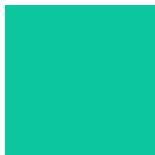
31.5733, 39.4326, 41.0691



Tritanomaly

29.5823, 42.8149, 55.4201

Monochromacy



Original Color

26.6909, 43.0044, 40.1516



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

22.1727, 29.4922, 31.7181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.6909, 43.0044, 40.1516 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(12, 198, 160)` looks like.

```
.text, #text, p{  
    color:rgb(12, 198, 160)  
}
```

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(12, 198, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 198, 160) }
```

Border

The CSS property to change the border of an element to XYZ 26.6909, 43.0044, 40.1516 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(12, 198, 160) }
```


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

```
.border{ border-color:rgb(12, 198, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 198, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 198, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 198, 160);  
box-shadow:4px 4px 4px 4px rgb(12, 198,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 26.6909, 43.0044, 40.1516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 198, 160) }
```

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

```
.background{ background-color: rgb(12, 198,  
160) }
```

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