

Converting Colors

XYZ(24.1390, 48.3493, 38.4632)

Have a look what the booklet for
XYZ(24.1390, 48.3493, 38.4632)
contains.

XYZ(30.3886, 51.4448, 38.9001)	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(30.3886, 51.4448,
38.9001)**

Conversions

Conversions Part 1

Format	Color
Hex	00D89A
RGB	0, 216, 154
RGB Percent	0%, 85%, 60%
CMY	0.9999, 0.1529, 0.3961
CMYK	1.00, 0.00, 0.29, 0.15
HSL	163°, 100%, 42%
HSV	163°, 100%, 85%
XYZ	30.3886, 51.4448, 38.9001
YIQ	144.3480, -108.8340, -65.0740

Conversions

Conversions Part 2

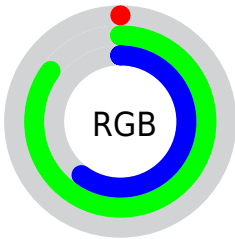
Format	Color
RYB	0, 126, 216
Decimal	55450
CIELab	76.95, -58.74, 18.34
CIELCh	77, 61.537, 162.660
Yxy	51.4448, 0.2517, 0.4261
Android (android.graphics.Color)	4278245530 (0xFF00D89A)
YUV	144.3480, 4.7584, -126.5932
Hunter-Lab	71.7250, -49.8916, 18.0516

Details

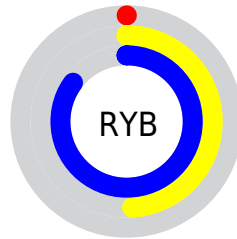
The XYZ color **30.3886, 51.4448, 38.9001** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.1904, 14.9481, 5.9080**, and the grayscale version is **26.6661, 28.0548, 30.5517**.

A 20% lighter version of the original color is **53.0943, 79.1267, 72.7962**, and **15.0190, 26.1209, 17.0822** is the 20% darker color. If you saturate the color by 10%, you get **30.3891, 51.4464, 38.8981**, and if you desaturate by 10%, it is **31.2424, 51.8250, 41.7075**.

Distribution



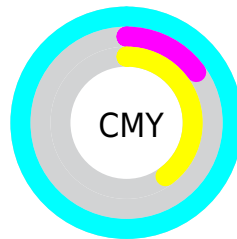
- Red (0%)
- Green (85%)
- Blue (60%)



- Red (0%)
- Yellow (49%)
- Blue (85%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3886, 51.4448, 38.9001 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 30.3886, 51.4448, 38.9001 by changing the saturation by 10% instead.


 30.3886, 51.4448,
38.9001


 30.3886, 51.4448,
38.9001


295.5891,
392.2895, 356.8788

 20.2833, 36.5627,
26.3748

 59.6586, 92.3119,
74.7043


 12.7106, 24.8691,
16.8760


 79.5540, 119.0658,
98.8203


 7.3052, 15.9796,
9.9851


 103.4434,
150.5456, 127.6370

 3.7017, 9.5097,
5.2836

 131.6923,
187.1360, 161.5728

 1.5348, 5.0751,
2.3530

 164.6659,
229.2211, 201.0464

 0.3493, 2.2914,
0.7607

202.7297,

 0.0000, 0.7691,

277.1855, 246.4762

0.0000

246.2490,
331.4135, 298.2809

■ 0.0000, 0.0000,
0.0000

■ 30.3886, 51.4448,
38.9001

■ 30.3886, 51.4448,
38.9001

■ 30.3891, 51.4464,
38.8981

■ 31.2424, 51.8250,
41.7075

■ 32.4825, 52.4000,
44.6731

■ 34.2298, 53.2332,
47.8058

■ 36.5509, 54.3590,
51.1107

■ 39.5020, 55.8064,
54.5922

■ 43.1324, 57.6006,
58.2546

■ 47.4864, 59.7645,
62.1017

■ 52.6045, 62.3190,
66.1374

■ 58.5241, 65.2832,
70.3650

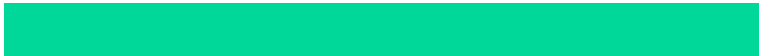
Harmonies

Analogous

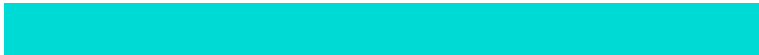
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1624, 51.4448, 20.7004



30.3886, 51.4448, 38.9001



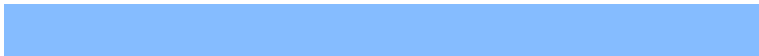
30.0432, 51.4448, 71.3811

Triad

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



30.3886, 51.4448, 38.9001



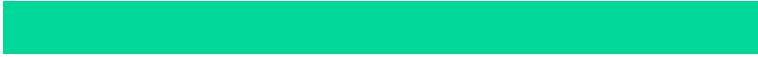
54.0031, 51.4448, 145.5077



67.4079, 51.4448, 22.6787

Complementary

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



30.3886, 51.4448, 38.9001



29.1904, 14.9481, 5.9080

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.



74.3393, 51.4448, 43.0287



30.3886, 51.4448, 38.9001



65.8095, 51.4448, 118.1285

Square

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



30.3886, 51.4448, 38.9001



42.4844, 51.4448, 142.9463



73.7116, 51.4448, 77.5310



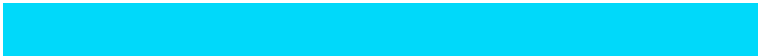
55.9239, 51.4448, 14.2380

Rectangle

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



30.3886, 51.4448, 38.9001



32.2751, 51.4448, 98.5526



73.7116, 51.4448, 77.5310



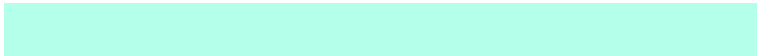
70.4241, 51.4448, 27.9093

Sweetspot

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



30.3900, 51.4468, 38.9013



68.9486, 86.9297, 90.2651



26.7249, 50.2312, 8.2878



14.1548, 18.3065, 18.8037



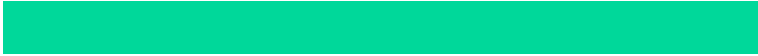
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.3900, 51.4468, 38.9013



44.1825, 74.8890, 56.2723



27.3022, 34.7717, 70.2407



12.6331, 14.0443, 15.1485



18.0353, 30.4695, 23.2793



1.1227, 1.8517, 1.5880

Inverse Universe

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



29.1904, 14.9481, 5.9080



42.4494, 21.7437, 8.2984



29.1920, 16.3434, 1.6167



12.5684, 12.4789, 13.6674



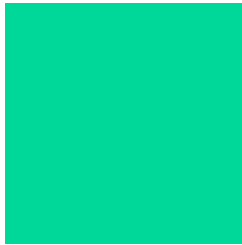
17.3173, 8.8632, 3.7089



1.0801, 0.5488, 0.4113

Previews

White Background



This preview shows how the XYZ color 30.3886, 51.4448, 38.9001 looks on a white background.

Color Contrast Check

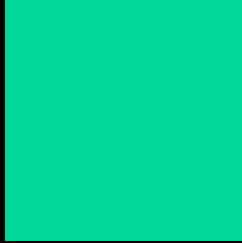
Large Text (above 18pt) WCAG AA × Fail

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 30.3886, 51.4448, 38.9001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

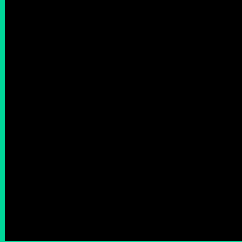
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

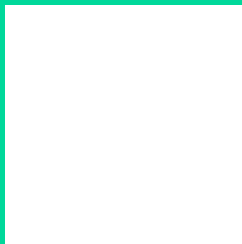
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3886, 51.4448, 38.9001

Background



This preview shows how black text looks on a background with the XYZ color 30.3886, 51.4448, 38.9001.

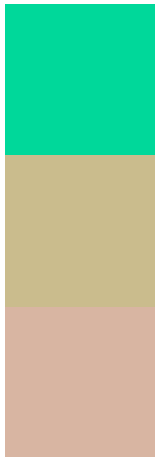


This preview shows how white text looks on a background with the XYZ color 30.3886, 51.4448,

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

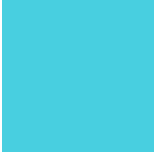
30.3886, 51.4448, 38.9001

Protanopia

47.1481, 50.4461, 32.4514

Deuteranopia

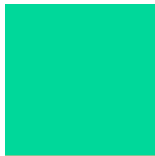
51.3644, 50.2553, 41.1755



Tritanopia

38.4399, 51.3852, 78.4133

Trichromacy



Original Color

30.3886, 51.4448, 38.9001



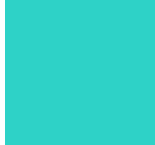
Protanomaly

34.4357, 47.1306, 34.4763



Deuteranomaly

35.8663, 46.4051, 39.8676



Tritanomaly

34.4821, 50.7976, 62.0203

Monochromacy



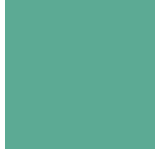
Original Color

30.3886, 51.4448, 38.9001



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

24.1337, 33.1629, 33.1461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3886, 51.4448, 38.9001 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, 216, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 154)  
}
```

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, 216, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 154) }
```

Border

The CSS property to change the border of an element to XYZ 30.3886, 51.4448, 38.9001 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, 216, 154) }
```


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

```
.border{ border-color:rgb(0, 216, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 216, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3886, 51.4448, 38.9001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 216, 154) }
```

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

```
.background{ background-color: rgb(0, 216,  
154) }
```

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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