

Converting Colors

XYZ(21.7830, 46.8396, 38.8738)

Have a look what the booklet for
XYZ(21.7830, 46.8396, 38.8738)
contains.

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Color

**XYZ(30.4723, 51.4783,
39.3406)**

Conversions

Conversions Part 1

Format	Color
Hex	00D89B
RGB	0, 216, 155
RGB Percent	0%, 85%, 61%
CMY	0.9999, 0.1529, 0.3921
CMYK	1.00, 0.00, 0.28, 0.15
HSL	163°, 100%, 42%
HSV	163°, 100%, 85%
XYZ	30.4723, 51.4783, 39.3406
YIQ	144.4620, -109.1550, -64.7630

Conversions

Conversions Part 2

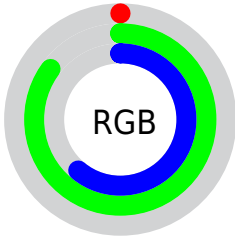
Format	Color
RYB	0, 126, 216
Decimal	55451
CIELab	76.97, -58.51, 17.84
CIELCh	77, 61.173, 163.043
Yxy	51.4783, 0.2512, 0.4244
Android (android.graphics.Color)	4278245531 (0xFF00D89B)
YUV	144.4620, 5.1952, -126.6932
Hunter-Lab	71.7484, -49.7488, 17.7144

Details

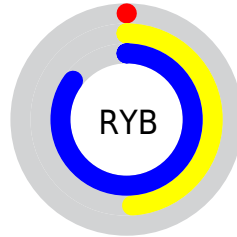
The XYZ color **30.4723, 51.4783, 39.3406** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **29.1634, 14.9373, 5.7652**, and the grayscale version is **26.7110, 28.1020, 30.6031**.

A 20% lighter version of the original color is **53.2186, 79.1764, 73.4504**, and **15.0695, 26.1411, 17.3482** is the 20% darker color. If you saturate the color by 10%, you get **30.4726, 51.4799, 39.3382**, and if you desaturate by 10%, it is **31.3216, 51.8567, 42.1244**.

Distribution



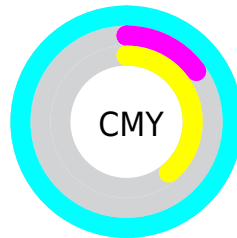
- Red (0%)
- Green (85%)
- Blue (61%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (15%)





- Cyan (100%)
- Magenta (15%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4723, 51.4783, 39.3406 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 30.4723, 51.4783, 39.3406 by changing the saturation by 10% instead.


 30.4723, 51.4783,
39.3406


 30.4723, 51.4783,
39.3406


295.9703,
392.4192, 358.8055


 20.3472, 36.5894,
26.7149


 59.7898, 92.3614,
75.3844


 12.7574, 24.8897,
17.1287

 79.7129, 119.1244,
99.6396


 7.3376, 15.9949,
10.1634


 103.6328,
150.6142, 128.6085

 3.7223, 9.5206,
5.4004

 131.9147,
187.2152, 162.7094

 1.5463, 5.0823,
2.4212

 164.9241,
229.3118, 202.3611

 0.3570, 2.2956,
0.7980

203.0262,

 0.0000, 0.7714,

277.2884, 247.9820

0.0000

246.5865,
331.5294, 299.9906

■ 0.0000, 0.0000,
0.0000

■ 30.4723, 51.4783,
39.3406

■ 30.4723, 51.4783,
39.3406

■ 30.4726, 51.4799,
39.3382

■ 31.3216, 51.8567,
42.1244

■ 32.5566, 52.4296,
45.0622

■ 34.2978, 53.2605,
48.1626

■ 36.6120, 54.3835,
51.4308

■ 39.5554, 55.8278,
54.8710

■ 43.1771, 57.6186,
58.4874

■ 47.5217, 59.7787,
62.2839

■ 52.6293, 62.3290,
66.2640

■ 58.5376, 65.2888,
70.4311

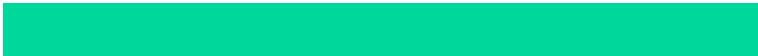
Harmonies

Analogous

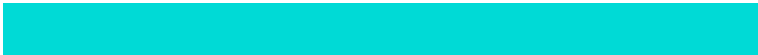
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1724, 51.4783, 21.0153



30.4723, 51.4783, 39.3406



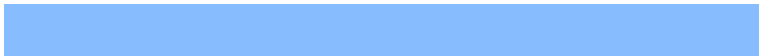
30.1844, 51.4783, 71.8177

Triad

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



30.4723, 51.4783, 39.3406



54.1620, 51.4783, 144.6949



67.2002, 51.4783, 22.6681

Complementary

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



30.4723, 51.4783, 39.3406



29.1634, 14.9373, 5.7652

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.



74.1658, 51.4783, 42.7795



30.4723, 51.4783, 39.3406



65.8721, 51.4783, 117.2502

Square

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



30.4723, 51.4783, 39.3406



42.6800, 51.4783, 142.5708



73.6444, 51.4783, 76.9281



55.7591, 51.4783, 14.3483

Rectangle

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



30.4723, 51.4783, 39.3406



32.4461, 51.4783, 98.8307



73.6444, 51.4783, 76.9281



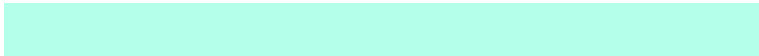
70.2184, 51.4783, 27.8354

Sweetspot

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



30.4737, 51.4803, 39.3418



68.9992, 86.9499, 90.5317



26.4950, 50.1127, 8.2771



14.1670, 18.3113, 18.8677



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.



30.4737, 51.4803, 39.3418



44.3047, 74.9379, 56.9160



26.6223, 33.4120, 70.0141



12.6356, 14.0453, 15.1617



18.0844, 30.4891, 23.5377



1.1254, 1.8528, 1.6020

Inverse Universe

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



29.1634, 14.9373, 5.7652



42.4105, 21.7282, 8.0937



29.3295, 16.6184, 1.6627



12.5660, 12.4779, 13.6548



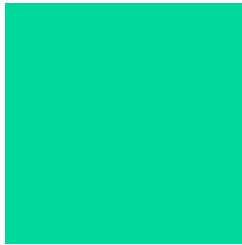
17.3007, 8.8566, 3.6217



1.0789, 0.5483, 0.4047

Previews

White Background



This preview shows how the XYZ color 30.4723, 51.4783, 39.3406 looks on a white background.

Color Contrast Check

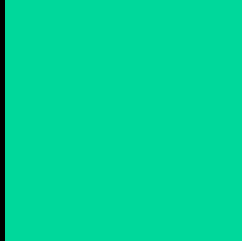
Large Text (above 18pt) WCAG AA × Fail

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 30.4723, 51.4783, 39.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

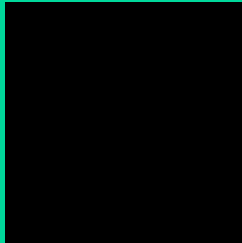
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

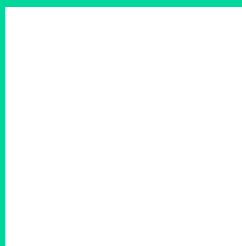
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4723, 51.4783, 39.3406

Background



This preview shows how black text looks on a background with the XYZ color 30.4723, 51.4783, 39.3406.

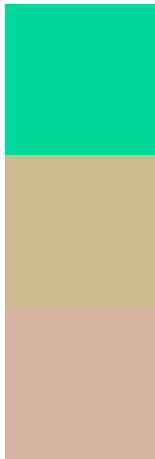


This preview shows how white text looks on a background with the XYZ color 30.4723, 51.4783,

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

30.4723, 51.4783, 39.3406

Protanopia

47.2228, 50.4760, 32.8451

Deuteranopia

51.4536, 50.2910, 41.6456



Tritanopia

38.3659, 51.3471, 78.4099

Trichromacy



Original Color

30.4723, 51.4783, 39.3406



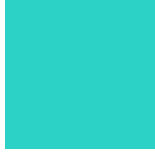
Protanomaly

34.5138, 47.1619, 34.8878



Deuteranomaly

35.9535, 46.4400, 40.3266



Tritanomaly

34.4376, 50.7746, 62.0183

Monochromacy



Original Color

30.4723, 51.4783, 39.3406



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 30.4723, 51.4783, 39.3406 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 216, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 216, 155) }
```

Border

The CSS property to change the border of an element to XYZ 30.4723, 51.4783, 39.3406 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, 155) }
```


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

```
.border{ border-color:rgb(0, 216, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 216, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 216, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 216,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4723, 51.4783, 39.3406 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, 155) }
```

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

```
.background{ background-color: rgb(0, 216,  
155) }
```

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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