

Converting Colors

XYZ(15.7257, 35.4045, 51.4986)

Have a look what the booklet for
XYZ(15.7257, 35.4045, 51.4986)
contains.

XYZ(27.7217, 41.6006, 51.9160)	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(27.7217, 41.6006,
51.9160)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1B8
RGB	0, 193, 184
RGB Percent	0%, 76%, 72%
CMY	0.9998, 0.2431, 0.2784
CMYK	1.00, 0.00, 0.05, 0.24
HSL	177°, 100%, 38%
HSV	177°, 100%, 76%
XYZ	27.7217, 41.6006, 51.9160
YIQ	134.2670, -112.1390, -43.7150

Conversions

Conversions Part 2

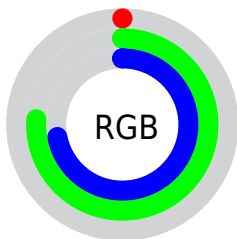
Format	Color
RYB	0, 99, 193
Decimal	49592
CIELab	70.59, -41.67, -6.95
CIELCh	71, 42.241, 189.464
Yxy	41.6006, 0.2287, 0.3431
Android (android.graphics.Color)	4278239672 (0xFF00C1B8)
YUV	134.2670, 24.5184, -117.7522
Hunter-Lab	64.4985, -36.1525, -2.5746

Details

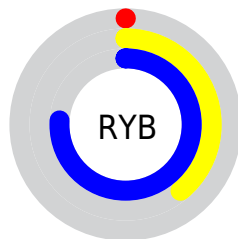
The XYZ color **27.7217, 41.6006, 51.9160** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.0430, 11.3585, 1.2902**, and the grayscale version is **22.7051, 23.8875, 26.0135**.

A 20% lighter version of the original color is **55.3933, 77.4873, 94.4751**, and **13.3294, 20.1039, 24.6506** is the 20% darker color. If you saturate the color by 10%, you get **27.7223, 41.6018, 51.9160**, and if you desaturate by 10%, it is **28.0924, 41.7817, 52.4286**.

Distribution



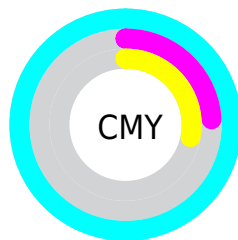
- Red (0%)
- Green (76%)
- Blue (72%)



- Red (0%)
- Yellow (39%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7217, 41.6006, 51.9160 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 27.7217, 41.6006, 51.9160 by changing the saturation by 10% instead.

■ 27.7217, 41.6006,
51.9160

■ 27.7217, 41.6006,
51.9160

283.2390,
352.8246, 411.0600

■ 18.2554, 28.7887,
36.5563

■ 55.4516, 77.5948,
94.4327

■ 11.2343, 18.9210,
24.5711

■ 74.4458, 101.5459,
122.4268

■ 6.2931, 11.6132,
15.5417

■ 97.3467, 129.9787,
155.4694

■ 3.0665, 6.4809,
9.0496

■ 124.5197,
163.2779, 193.9792

■ 1.1890, 3.1396,
4.6763

■ 156.3300,
201.8276, 238.3745

■ 0.0977, 1.2051,
2.0032

193.1431,

■ 0.0000, 0.0658,

246.0124, 289.0741

0.5573

235.3243,
296.2166, 346.4964

■ 0.0000, 0.0000,
0.0000

■ 27.7217, 41.6006,
51.9160

■ 27.7217, 41.6006,
51.9160

■ 27.7223, 41.6018,
51.9160

■ 28.0924, 41.7817,
52.4286

■ 28.7356, 42.1022,
52.9561

■ 29.7498, 42.6140,
53.5041

■ 31.1849, 43.3427,
54.0750

■ 33.0829, 44.3099,
54.6707

■ 35.4810, 45.5349,
55.2930

■ 38.4124, 47.0347,
55.9434

■ 41.9076, 48.8251,
56.6234

■ 45.9946, 50.9206,
57.3342

Harmonies

Analogous

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



28.2542, 41.6006, 33.1033



27.7217, 41.6006, 51.9160



30.0553, 41.6006, 74.3895

Triad

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



27.7217, 41.6006, 51.9160



48.7009, 41.6006, 81.9327



44.4388, 41.6006, 17.9895

Complementary

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



27.7217, 41.6006, 51.9160



22.0430, 11.3585, 1.2902

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.



50.8359, 41.6006, 24.9908



27.7217, 41.6006, 51.9160



53.4906, 41.6006, 60.1658

Square

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



27.7217, 41.6006, 51.9160



41.7887, 41.6006, 94.7867



54.3149, 41.6006, 39.2641



37.3737, 41.6006, 16.9719

Rectangle

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



27.7217, 41.6006, 51.9160



33.1041, 41.6006, 87.1348



54.3149, 41.6006, 39.2641



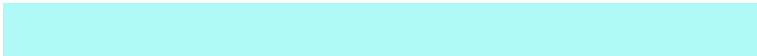
46.7605, 41.6006, 19.5960

Sweetspot

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



27.7229, 41.6022, 51.9170



68.5145, 84.0935, 100.1338



19.1921, 38.2038, 6.3637



14.1987, 17.7850, 21.3747



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



27.7229, 41.6022, 51.9170



49.6228, 74.4964, 92.8397



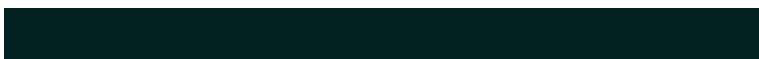
14.7979, 14.1936, 52.4134



10.3476, 11.4201, 12.8337



18.4464, 27.6726, 34.5737



0.8034, 1.1982, 1.5274

Inverse Universe

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



22.0430, 11.3585, 1.2902



39.4528, 20.3312, 2.1819



25.3911, 18.1337, 2.1630



10.0918, 10.0853, 10.5741



14.6686, 7.5572, 0.9008



0.6405, 0.3292, 0.0742

Previews

White Background



This preview shows how the XYZ color 27.7217, 41.6006, 51.9160 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 27.7217, 41.6006, 51.9160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

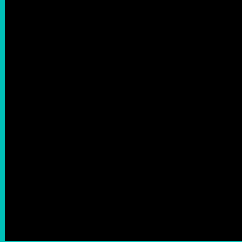
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

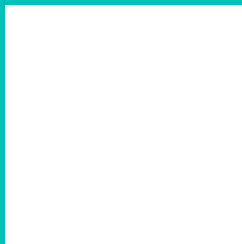
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7217, 41.6006, 51.9160

Background



This preview shows how black text looks on a background with the XYZ color 27.7217, 41.6006, 51.9160.

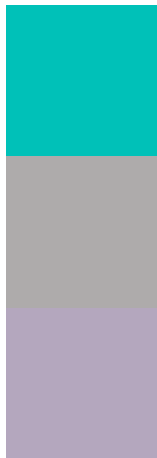


This preview shows how white text looks on a background with the XYZ color 27.7217, 41.6006,

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

27.7217, 41.6006, 51.9160

Protanopia

39.3692, 41.0648, 44.3794

Deuteranopia

41.9354, 41.0584, 54.4300



Tritanopia

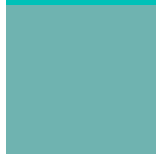
30.3877, 41.7269, 64.2101

Trichromacy



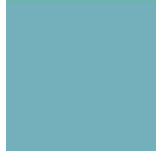
Original Color

27.7217, 41.6006, 51.9160



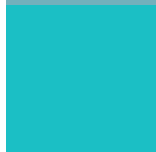
Protanomaly

30.5121, 38.7543, 46.9465



Deuteranomaly

31.6727, 38.3263, 53.3054



Tritanomaly

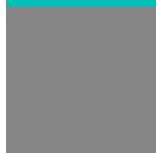
29.1608, 41.5258, 59.3017

Monochromacy



Original Color

27.7217, 41.6006, 51.9160



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.1352, 27.6410, 33.9271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7217, 41.6006, 51.9160 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, 193, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 184)  
}
```

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, 193, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 184) }
```

Border

The CSS property to change the border of an element to XYZ 27.7217, 41.6006, 51.9160 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, 193, 184) }
```


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

```
.border{ border-color:rgb(0, 193, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7217, 41.6006, 51.9160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 184) }
```

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

```
.background{ background-color: rgb(0, 193,  
184) }
```

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