

Converting Colors

XYZ(17.7754, 36.2750, 51.6845)

Have a look what the booklet for
XYZ(17.7754, 36.2750, 51.6845)
contains.

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Color

**XYZ(27.5014, 41.1600,
51.8426)**

Conversions

Conversions Part 1

Format	Color
Hex	00C0B8
RGB	0, 192, 184
RGB Percent	0%, 75%, 72%
CMY	0.9998, 0.2470, 0.2784
CMYK	1.00, 0.00, 0.04, 0.25
HSL	177°, 100%, 38%
HSV	177°, 100%, 75%
XYZ	27.5014, 41.1600, 51.8426
YIQ	133.6800, -111.8640, -43.1920

Conversions

Conversions Part 2

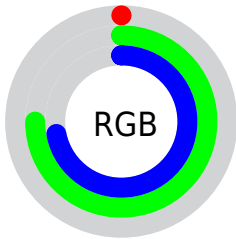
Format	Color
RYB	0, 98, 192
Decimal	49336
CIELab	70.29, -41.22, -7.40
CIELCh	70, 41.883, 190.177
Yxy	41.1600, 0.2282, 0.3416
Android (android.graphics.Color)	4278239416 (0xFF00C0B8)
YUV	133.6800, 24.8078, -117.2374
Hunter-Lab	64.1561, -35.7566, -3.0012

Details

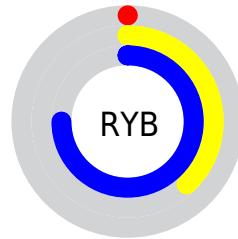
The XYZ color **27.5014, 41.1600, 51.8426** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **21.7834, 11.2253, 1.2495**, and the grayscale version is **22.4886, 23.6598, 25.7655**.

A 20% lighter version of the original color is **55.0833, 76.8674, 94.3718**, and **13.1852, 19.8157, 24.6026** is the 20% darker color. If you saturate the color by 10%, you get **27.5020, 41.1612, 51.8427**, and if you desaturate by 10%, it is **27.8595, 41.3358, 52.2995**.

Distribution



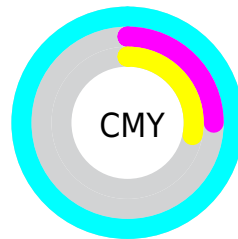
- Red (0%)
- Green (75%)
- Blue (72%)



- Red (0%)
- Yellow (38%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (4%)
- Black (25%)



- Cyan (100%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5014, 41.1600, 51.8426 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 27.5014, 41.1600, 51.8426 by changing the saturation by 10% instead.

■ 27.5014, 41.1600,
51.8426

■ 27.5014, 41.1600,
51.8426

282.2002,
350.9889, 410.7683

■ 18.0887, 28.4441,
36.4983

■ 55.1016, 76.9267,
94.3233

■ 11.1137, 18.6607,
24.5265

■ 74.0199, 100.7464,
122.2967

■ 6.2112, 11.4254,
15.5088

■ 96.8373, 129.0360,
155.3169

■ 3.0158, 6.3537,
9.0267

■ 123.9193,
162.1802, 193.8024

■ 1.1621, 3.0613,
4.6616

■ 155.6313,
200.5631, 238.1717

■ 0.0762, 1.1638,
1.9948

192.3385,

■ 0.0000, 0.0319,

244.5693, 288.8435

0.5521

234.4063,
294.5831, 346.2362

■ 0.0000, 0.0000,
0.0000

■ 27.5014, 41.1600,
51.8426

■ 27.5014, 41.1600,
51.8426

■ 27.5020, 41.1612,
51.8427

■ 27.8595, 41.3358,
52.2995

■ 28.4865, 41.6493,
52.7706

■ 29.4801, 42.1516,
53.2612

■ 30.8893, 42.8682,
53.7739

■ 32.7557, 43.8205,
54.3104

■ 35.1161, 45.0273,
54.8725

■ 38.0031, 46.5055,
55.4618

■ 41.4469, 48.2708,
56.0797

■ 45.4752, 50.3372,
56.7274

Harmonies

Analogous

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



27.9586, 41.1600, 33.1670



27.5014, 41.1600, 51.8426



29.8672, 41.1600, 73.9400

Triad

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



27.5014, 41.1600, 51.8426



48.2825, 41.1600, 80.4031



43.7765, 41.1600, 17.8062

Complementary

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



27.5014, 41.1600, 51.8426



21.7834, 11.2253, 1.2495

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.



50.1132, 41.1600, 24.5632



27.5014, 41.1600, 51.8426



52.9184, 41.1600, 58.9163

Square

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



27.5014, 41.1600, 51.8426



41.5034, 41.1600, 93.3486



53.6250, 41.1600, 38.4553



36.8322, 41.1600, 16.9307

Rectangle

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



27.5014, 41.1600, 51.8426



32.9098, 41.1600, 86.3282



53.6250, 41.1600, 38.4553



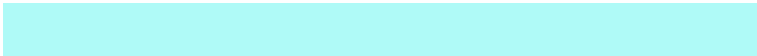
46.0691, 41.1600, 19.3455

Sweetspot

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



27.5026, 41.1615, 51.8436



68.5718, 84.1165, 100.4358



18.9711, 37.7628, 6.2902



14.2127, 17.7906, 21.4484



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.



27.5026, 41.1615, 51.8436



49.8061, 74.5697, 93.8048



14.6301, 14.0358, 51.8090



10.3498, 11.4210, 12.8454



18.5127, 27.6991, 34.9224



0.8056, 1.1991, 1.5390

Inverse Universe

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



21.7834, 11.2253, 1.2495



39.4456, 20.3284, 2.1439



25.1008, 17.9302, 2.1390



10.0898, 10.0845, 10.5636



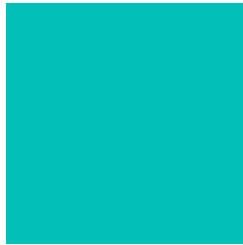
14.6642, 7.5554, 0.8777



0.6396, 0.3288, 0.0694

Previews

White Background



This preview shows how the XYZ color 27.5014, 41.1600, 51.8426 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 27.5014, 41.1600, 51.8426 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

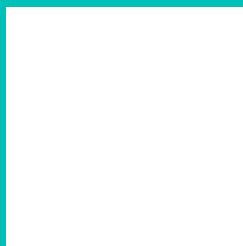
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5014, 41.1600, 51.8426

Background



This preview shows how black text looks on a background with the XYZ color 27.5014, 41.1600, 51.8426.



This preview shows how white text looks on a background with the XYZ color 27.5014, 41.1600,

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

27.5014, 41.1600, 51.8426

Protanopia

38.9590, 40.5740, 44.3063

Deuteranopia

41.2906, 40.4551, 54.3476



Tritanopia

30.0515, 41.2471, 63.5043

Trichromacy



Original Color

27.5014, 41.1600, 51.8426



Protanomaly

30.1873, 38.2904, 46.8740



Deuteranomaly

31.2171, 37.8015, 53.2281



Tritanomaly

28.9435, 41.0911, 59.2292

Monochromacy



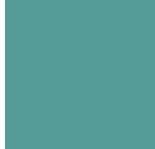
Original Color

27.5014, 41.1600, 51.8426



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 27.5014, 41.1600, 51.8426 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, 192, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 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, 192, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 184) }
```

Border

The CSS property to change the border of an element to XYZ 27.5014, 41.1600, 51.8426 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, 192, 184) }
```


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

```
.border{ border-color:rgb(0, 192, 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, 192, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5014, 41.1600, 51.8426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 184) }
```

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

```
.background{ background-color: rgb(0, 192,  
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](#).

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