

Converting Colors

XYZ(25.3525, 41.2169, 47.1304)

Have a look what the booklet for
XYZ(25.3525, 41.2169, 47.1304)
contains.

XYZ(27.2530, 42.1254, 47.2521)	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(27.2530, 42.1254,
47.2521)**

Conversions

Conversions Part 1

Format	Color
Hex	00C3AF
RGB	0, 195, 175
RGB Percent	0%, 76%, 69%
CMY	0.9999, 0.2353, 0.3137
CMYK	1.00, 0.00, 0.10, 0.24
HSL	174°, 100%, 38%
HSV	174°, 100%, 76%
XYZ	27.2530, 42.1254, 47.2521
YIQ	134.4150, -109.8000, -47.5600

Conversions

Conversions Part 2

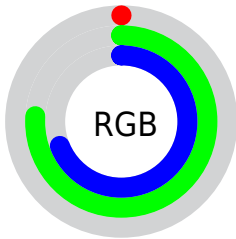
Format	Color
RYB	0, 103, 195
Decimal	50095
CIELab	70.96, -45.11, -1.49
CIELCh	71, 45.133, 181.897
Yxy	42.1254, 0.2337, 0.3612
Android (android.graphics.Color)	4278240175 (0xFF00C3AF)
YUV	134.4150, 20.0084, -117.8820
Hunter-Lab	64.9041, -38.6306, 2.2680

Details

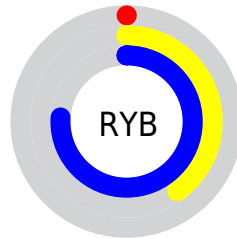
The XYZ color **27.2530, 42.1254, 47.2521** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **22.6334, 11.6539, 1.7200**, and the grayscale version is **22.7745, 23.9605, 26.0930**.

A 20% lighter version of the original color is **54.5728, 78.1588, 87.0728**, and **12.9532, 20.1862, 21.9525** is the 20% darker color. If you saturate the color by 10%, you get **27.2535, 42.1267, 47.2513**, and if you desaturate by 10%, it is **27.7309, 42.3499, 48.3088**.

Distribution



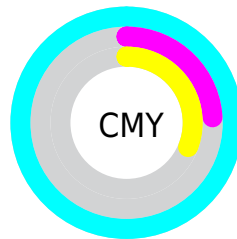
- Red (0%)
- Green (76%)
- Blue (69%)



- Red (0%)
- Yellow (40%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (24%)



- Cyan (100%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2530, 42.1254, 47.2521 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 27.2530, 42.1254, 47.2521 by changing the saturation by 10% instead.

■ 27.2530, 42.1254,
47.2521

■ 27.2530, 42.1254,
47.2521

281.0253,
355.0025, 392.2428

■ 17.9009, 29.1995,
32.8792

■ 54.7066, 78.3894,
87.4437

■ 10.9781, 19.2318,
21.7636

■ 73.5388, 102.4962,
114.0996

■ 6.1193, 11.8379,
13.4866

■ 96.2618, 131.0989,
145.6868

■ 2.9591, 6.6334,
7.6298

■ 123.2409,
164.5817, 182.6239

■ 1.1322, 3.2339,
3.7747

■ 154.8414,
203.3291, 225.3296

■ 0.0518, 1.2550,
1.5026

191.4287,

■ 0.0000, 0.1060,

247.7254, 274.2222

0.2198

233.3682,
298.1551, 329.7205

■ 0.0000, 0.0000,
0.0000

■ 27.2530, 42.1254,
47.2521

■ 27.2530, 42.1254,
47.2521

■ 27.2535, 42.1267,
47.2513

■ 27.7309, 42.3499,
48.3088

■ 28.4907, 42.7184,
49.3930

■ 29.6327, 43.2835,
50.5104

■ 31.2081, 44.0718,
51.6635

■ 33.2601, 45.1054,
52.8544

■ 35.8267, 46.4040,
54.0848

■ 38.9422, 47.9851,
55.3565

■ 42.6376, 49.8649,
56.6710

■ 46.9418, 52.0582,
58.0297

Harmonies

Analogous

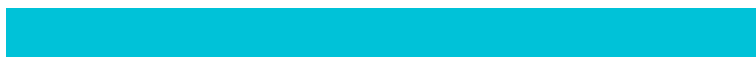
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.5876, 42.1254, 28.9907



27.2530, 42.1254, 47.2521



28.9717, 42.1254, 71.4211

Triad

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



27.2530, 42.1254, 47.2521



48.1780, 42.1254, 90.7900



47.2461, 42.1254, 18.1719

Complementary

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



27.2530, 42.1254, 47.2521



22.6334, 11.6539, 1.7200

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.



53.6169, 42.1254, 27.2767



27.2530, 42.1254, 47.2521



54.2006, 42.1254, 68.2782

Square

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



27.2530, 42.1254, 47.2521



40.5196, 42.1254, 100.9734



56.3043, 42.1254, 44.5100



39.5621, 42.1254, 15.6738

Rectangle

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



27.2530, 42.1254, 47.2521



31.7604, 42.1254, 86.7945



56.3043, 42.1254, 44.5100



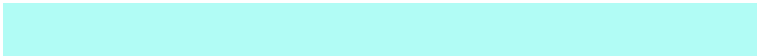
49.6439, 42.1254, 20.3833

Sweetspot

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



27.2542, 42.1270, 47.2531



69.4512, 85.7905, 99.0295



19.8643, 39.2112, 6.5225



14.6612, 18.5090, 21.4703



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.



27.2542, 42.1270, 47.2531



48.7552, 75.4251, 84.3379



16.5994, 17.4372, 54.1224



10.3226, 11.4101, 12.7019



17.7308, 27.3864, 30.8050



0.7792, 1.1885, 1.3999

Inverse Universe

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



22.6334, 11.6539, 1.7200



40.4934, 20.8537, 2.8623



25.0073, 16.6038, 1.8878



10.1143, 10.0943, 10.6922



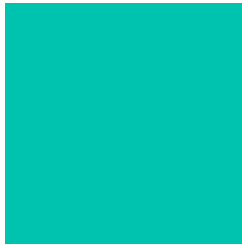
14.7247, 7.5796, 1.1962



0.6506, 0.3333, 0.1277

Previews

White Background



This preview shows how the XYZ color 27.2530, 42.1254, 47.2521 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 27.2530, 42.1254, 47.2521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

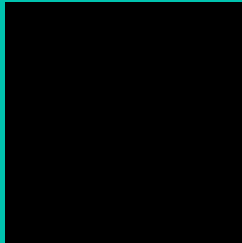
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

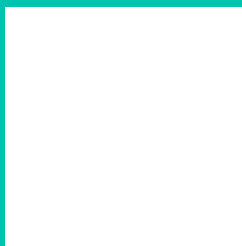
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2530, 42.1254, 47.2521

Background



This preview shows how black text looks on a background with the XYZ color 27.2530, 42.1254, 47.2521.

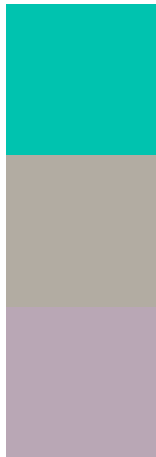


This preview shows how white text looks on a background with the XYZ color 27.2530, 42.1254,

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

27.2530, 42.1254, 47.2521

Protanopia

39.6342, 41.5787, 40.1190

Deuteranopia

42.1668, 41.2879, 49.4630



Tritanopia

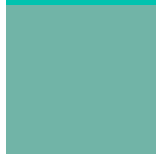
31.0868, 42.3959, 64.9373

Trichromacy



Original Color

27.2530, 42.1254, 47.2521



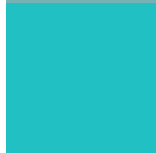
Protanomaly

30.1064, 38.9432, 42.4892



Deuteranomaly

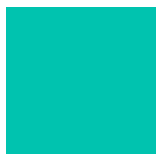
31.3300, 38.5505, 48.4375



Tritanomaly

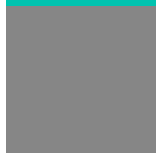
29.2956, 41.9465, 58.1822

Monochromacy



Original Color

27.2530, 42.1254, 47.2521



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

21.0596, 27.8782, 32.7048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2530, 42.1254, 47.2521 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, 195, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 195, 175)  
}
```

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, 195, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 195, 175) }
```

Border

The CSS property to change the border of an element to XYZ 27.2530, 42.1254, 47.2521 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, 195, 175) }
```


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

```
.border{ border-color:rgb(0, 195, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 195, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 195, 175); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 195, 175); box-shadow:4px 4px 4px 4px rgb(0, 195, 175) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2530, 42.1254, 47.2521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 195, 175) }
```

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

```
.background{ background-color: rgb(0, 195,  
175) }
```

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