

Converting Colors

XYZ(27.9416, 42.6939, 45.1396)

Have a look what the booklet for
XYZ(27.9416, 42.6939, 45.1396)
contains.

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Color

**XYZ(27.8621, 42.4841,
45.2598)**

Conversions

Conversions Part 1

Format	Color
Hex	2BC3AB
RGB	43, 195, 171
RGB Percent	17%, 76%, 67%
CMY	0.8313, 0.2353, 0.3294
CMYK	0.78, 0.00, 0.12, 0.24
HSL	171°, 64%, 47%
HSV	171°, 78%, 76%
XYZ	27.8621, 42.4841, 45.2598
YIQ	146.8160, -82.8880, -39.6880

Conversions

Conversions Part 2

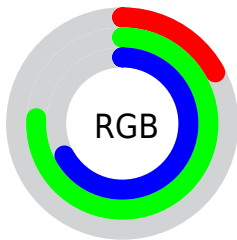
Format	Color
RYB	43, 126, 195
Decimal	2868139
CIELab	71.20, -43.73, 1.09
CIELCh	71, 43.745, 178.573
Yxy	42.4841, 0.2410, 0.3675
Android (android.graphics.Color)	4281058219 (0xFF2BC3AB)
YUV	146.8160, 11.9227, -91.0466
Hunter-Lab	65.1798, -37.7622, 4.4559

Details

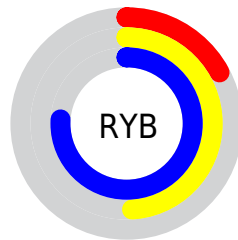
The XYZ color **27.8621, 42.4841, 45.2598** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **24.3842, 13.7364, 6.6783**, and the grayscale version is **27.6358, 29.0750, 31.6627**.

A 20% lighter version of the original color is **55.6081, 78.7566, 84.2222**, and **12.7079, 20.0881, 20.6604** is the 20% darker color. If you saturate the color by 10%, you get **26.9416, 42.0441, 43.7031**, and if you desaturate by 10%, it is **29.1824, 43.1315, 46.8728**.

Distribution



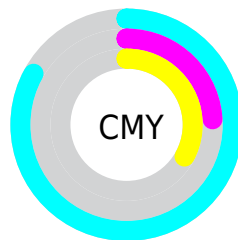
- Red (17%)
- Green (76%)
- Blue (67%)



- Red (17%)
- Yellow (49%)
- Blue (76%)



- Cyan (78%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)



- Cyan (83%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8621, 42.4841, 45.2598 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 27.8621, 42.4841, 45.2598 by changing the saturation by 10% instead.

■ 27.8621, 42.4841,
45.2598

■ 27.8621, 42.4841,
45.2598

283.8994,
356.4858, 384.0155

■ 18.3617, 29.4805,
31.3177

■ 55.6744, 78.9318,
84.4327

■ 11.3112, 19.4446,
20.5804

■ 74.7169, 103.1447,
110.5006

■ 6.3454, 11.9920,
12.6294

■ 97.6709, 131.8628,
141.4474

■ 3.0989, 6.7382,
7.0461

■ 124.9017,
165.4706, 177.6918

■ 1.2063, 3.2989,
3.4121

■ 156.7745,
204.3523, 219.6523

■ 0.1113, 1.2897,
1.3087

193.6549,

■ 0.0000, 0.1332,

248.8926, 267.7474

0.0689

235.9081,
299.4756, 322.3956

■ 0.0000, 0.0000,
0.0000

■ 27.8621, 42.4841,
45.2598

■ 27.8621, 42.4841,
45.2598

■ 26.9416, 42.0441,
43.7031

■ 29.1824, 43.1315,
46.8728

■ 26.3432, 41.7684,
42.1960

■ 30.9482, 44.0066,
48.5417

■ 26.2356, 41.7195,
41.8911

■ 33.2027, 45.1330,
50.2696

■ 35.9831, 46.5296,
52.0585

■ 39.3228, 48.2138,
53.9103

■ 43.2527, 50.2013,
55.8265

■ 47.8012, 52.5070,
57.8088

■ 52.9949, 55.1444,
59.8586

■ 58.8588, 58.1266,
61.9772

Harmonies

Analogous

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



29.5048, 42.4841, 28.2376



27.8621, 42.4841, 45.2598



29.2210, 42.4841, 68.3811

Triad

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



27.8621, 42.4841, 45.2598



47.5051, 42.4841, 91.5489



48.1860, 42.4841, 19.6504

Complementary

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



27.8621, 42.4841, 45.2598



24.3842, 13.7364, 6.6783

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.



54.0696, 42.4841, 29.5094



27.8621, 42.4841, 45.2598



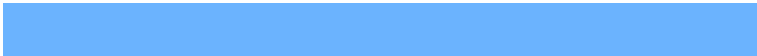
53.6443, 42.4841, 70.6660

Square

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



27.8621, 42.4841, 45.2598



40.0298, 42.4841, 99.5005



56.1771, 42.4841, 47.2707



40.7319, 42.4841, 16.4961

Rectangle

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



27.8621, 42.4841, 45.2598



31.7514, 42.4841, 83.6170



56.1771, 42.4841, 47.2707



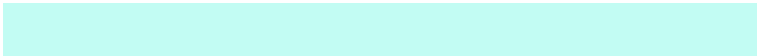
50.4450, 42.4841, 22.1079

Sweetspot

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



27.8633, 42.4857, 45.2608



73.5195, 87.9124, 98.1106



22.3599, 40.4474, 8.9151



15.5521, 18.9750, 21.2106



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.



27.8633, 42.4857, 45.2608



47.4140, 74.9117, 76.2347



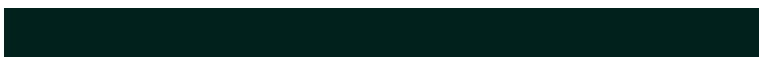
20.8720, 24.5034, 55.2611



10.2980, 11.4002, 12.5725



17.0768, 27.1248, 27.3612



0.7566, 1.1795, 1.2811

Inverse Universe

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



24.3842, 13.7364, 6.6783



41.1149, 21.3789, 5.2821



26.9165, 19.7247, 4.6751



10.1366, 10.1033, 10.8100



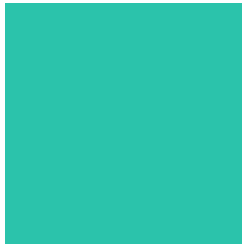
14.8070, 7.6125, 1.6297



0.6607, 0.3373, 0.1806

Previews

White Background



This preview shows how the XYZ color 27.8621, 42.4841, 45.2598 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 27.8621, 42.4841, 45.2598 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

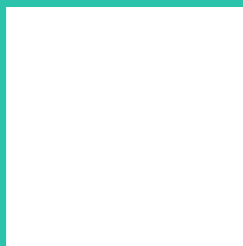
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8621, 42.4841, 45.2598

Background



This preview shows how black text looks on a background with the XYZ color 27.8621, 42.4841, 45.2598.

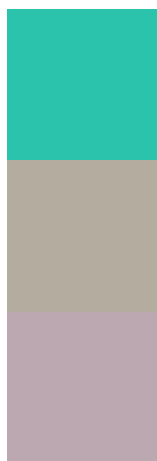


This preview shows how white text looks on a background with the XYZ color 27.8621, 42.4841,

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

27.8621, 42.4841, 45.2598

Protanopia

39.6009, 41.5920, 38.7417

Deuteranopia

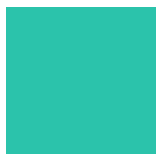
42.6775, 41.8710, 47.4275



Tritanopia

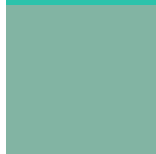
31.6129, 42.3585, 64.2674

Trichromacy



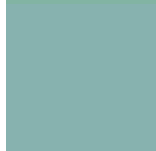
Original Color

27.8621, 42.4841, 45.2598



Protanomaly

32.1380, 40.0327, 40.6836



Deuteranomaly

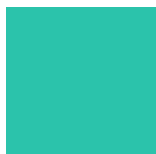
33.6499, 40.0868, 46.5214



Tritanomaly

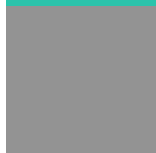
30.1626, 42.4194, 57.0501

Monochromacy



Original Color

27.8621, 42.4841, 45.2598



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

25.5829, 32.2024, 36.3198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8621, 42.4841, 45.2598 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(43, 195, 171)` looks like.

```
.text, #text, p{  
    color:rgb(43, 195, 171)  
}
```

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(43, 195, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 195, 171) }
```

Border

The CSS property to change the border of an element to XYZ 27.8621, 42.4841, 45.2598 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(43, 195, 171) }
```


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

```
.border{ border-color:rgb(43, 195, 171) }
```

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

Here you see how a box with a 4 pixel rgb(43, 195, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 195, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 195, 171);  
box-shadow:4px 4px 4px 4px rgb(43, 195,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8621, 42.4841, 45.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 195, 171) }
```

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

```
.background{ background-color: rgb(43, 195,  
171) }
```

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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