

Converting Colors

XYZ(28.8841, 42.3395, 44.5841)

Have a look what the booklet for
XYZ(28.8841, 42.3395, 44.5841)
contains.

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Color

**XYZ(28.9242, 42.3818,
44.6863)**

Conversions

Conversions Part 1

Format	Color
Hex	47C1AA
RGB	71, 193, 170
RGB Percent	28%, 76%, 67%
CMY	0.7215, 0.2431, 0.3333
CMYK	0.63, 0.00, 0.12, 0.24
HSL	169°, 50%, 52%
HSV	169°, 63%, 76%
XYZ	28.9242, 42.3818, 44.6863
YIQ	153.9000, -65.3290, -33.0170

Conversions

Conversions Part 2

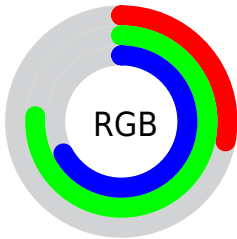
Format	Color
RYB	71, 138, 193
Decimal	4702634
CIELab	71.13, -39.26, 1.60
CIELCh	71, 39.294, 177.664
Yxy	42.3818, 0.2494, 0.3654
Android (android.graphics.Color)	4282892714 (0xFF47C1AA)
YUV	153.9000, 7.9373, -72.7033
Hunter-Lab	65.1013, -34.6206, 4.8736

Details

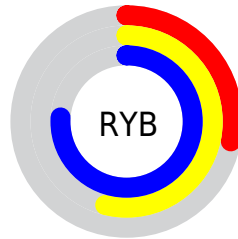
The XYZ color **28.9242, 42.3818, 44.6863** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **26.2673, 16.6532, 12.4212**, and the grayscale version is **30.6593, 32.2560, 35.1268**.

A 20% lighter version of the original color is **57.2919, 78.7130, 83.4077**, and **12.5026, 19.7732, 20.2972** is the 20% darker color. If you saturate the color by 10%, you get **27.3879, 41.6301, 42.8430**, and if you desaturate by 10%, it is **30.9218, 43.3723, 46.6028**.

Distribution



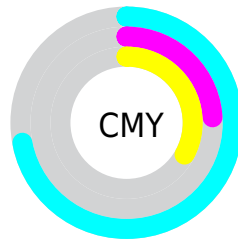
- Red (28%)
- Green (76%)
- Blue (67%)



- Red (28%)
- Yellow (54%)
- Blue (76%)



- Cyan (63%)
- Magenta (0%)
- Yellow (12%)
- Black (24%)





- Cyan (72%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9242, 42.3818, 44.6863 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 28.9242, 42.3818, 44.6863 by changing the saturation by 10% instead.


 28.9242, 42.3818,
44.6863


 28.9242, 42.3818,
44.6863


288.8578,
356.0632, 381.6246


 19.1675, 29.4004,
30.8693


 57.3550, 78.7771,
83.5629


 11.8961, 19.3839,
20.2417


 76.7598, 102.9598,
109.4596


 6.7446, 11.9480,
12.3850


 100.1114,
131.6451, 140.2199

 3.3478, 6.7083,
6.8808

 127.7751,
165.2172, 176.2623

 1.3403, 3.2803,
3.3103

 160.1162,
204.0608, 218.0055

 0.2130, 1.2798,
1.2552

197.5001,

 0.0000, 0.1255,

248.5600, 265.8679

0.0246

240.2922,
299.0993, 320.2681

■ 0.0000, 0.0000,
0.0000

■ 28.9242, 42.3818,
44.6863

■ 28.9242, 42.3818,
44.6863

■ 27.3879, 41.6301,
42.8430

■ 30.9218, 43.3723,
46.6028

■ 26.2651, 41.0894,
41.0675

■ 33.4158, 44.6166,
48.5918

■ 25.5036, 40.7338,
39.3578

■ 36.4417, 46.1339,
50.6562

■ 25.1236, 40.5625,
38.2311

■ 40.0310, 47.9406,
52.7978

■ 44.2125, 50.0514,
55.0185

■ 49.0131, 52.4802,
57.3198

■ 54.4580, 55.2401,
59.7032

■ 60.5711, 58.3432,
62.1704

■ 67.3749, 61.8012,
64.7226

Harmonies

Analogous

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



30.5163, 42.3818, 29.3617



28.9242, 42.3818, 44.6863



30.0900, 42.3818, 65.0826

Triad

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



28.9242, 42.3818, 44.6863



46.4426, 42.3818, 86.2206



47.4310, 42.3818, 21.8150

Complementary

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



28.9242, 42.3818, 44.6863



26.2673, 16.6532, 12.4212

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.



52.5505, 42.3818, 31.2937



28.9242, 42.3818, 44.6863



51.9376, 42.3818, 68.3509

Square

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



28.9242, 42.3818, 44.6863



39.7695, 42.3818, 92.6057



54.2823, 42.3818, 47.6383



40.8002, 42.3818, 18.5982

Rectangle

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



28.9242, 42.3818, 44.6863



32.3534, 42.3818, 78.4222



54.2823, 42.3818, 47.6383



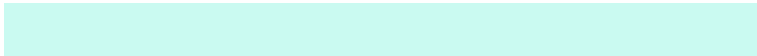
49.4119, 42.3818, 24.2215

Sweetspot

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



28.9254, 42.3835, 44.6873



74.4946, 87.2719, 96.0972



24.9696, 41.0509, 12.5696



15.5352, 18.4976, 20.3722



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.



28.9254, 42.3835, 44.6873



48.1659, 74.1287, 75.4494



24.1812, 29.1028, 54.7969



10.2845, 11.3948, 12.5013



16.7373, 26.9890, 25.5736



0.7447, 1.1747, 1.2183

Inverse Universe

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



26.2673, 16.6532, 12.4212



43.1045, 24.3753, 13.4474



28.4515, 22.4347, 8.7928



10.1491, 10.1082, 10.8755



14.8656, 7.6360, 1.9381



0.6663, 0.3395, 0.2099

Previews

White Background



This preview shows how the XYZ color 28.9242, 42.3818, 44.6863 looks on a white background.

Color Contrast Check

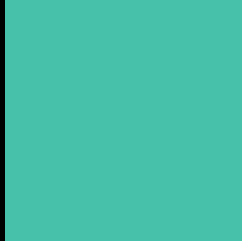
Large Text (above 18pt) WCAG AA × Fail

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 28.9242, 42.3818, 44.6863 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

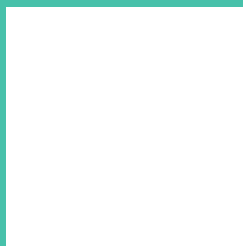
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9242, 42.3818, 44.6863

Background



This preview shows how black text looks on a background with the XYZ color 28.9242, 42.3818, 44.6863.

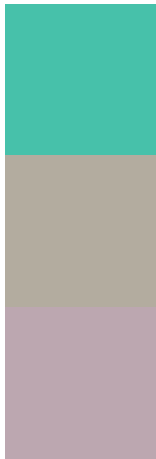


This preview shows how white text looks on a background with the XYZ color 28.9242, 42.3818,

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

28.9242, 42.3818, 44.6863

Protanopia

39.6009, 41.5920, 38.7417

Deuteranopia

42.3942, 41.4634, 46.8431



Tritanopia

32.5090, 42.2095, 62.9338

Trichromacy



Original Color

28.9242, 42.3818, 44.6863



Protanomaly

33.7473, 40.8623, 40.7589



Deuteranomaly

34.8424, 40.1264, 45.9532



Tritanomaly

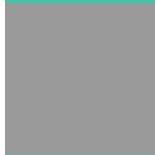
31.1257, 42.2940, 55.8133

Monochromacy



Original Color

28.9242, 42.3818, 44.6863



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

28.6600, 34.8284, 38.4697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9242, 42.3818, 44.6863 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(71, 193, 170)` looks like.

```
.text, #text, p{  
    color:rgb(71, 193, 170)  
}
```

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(71, 193, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 193, 170) }
```

Border

The CSS property to change the border of an element to XYZ 28.9242, 42.3818, 44.6863 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(71, 193, 170) }
```


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

```
.border{ border-color:rgb(71, 193, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 193, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 193, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 193, 170);  
box-shadow:4px 4px 4px 4px rgb(71, 193,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9242, 42.3818, 44.6863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 193, 170) }
```

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

```
.background{ background-color: rgb(71, 193,  
170) }
```

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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