

Converting Colors

XYZ(28.0673, 41.9831, 42.7006)

Have a look what the booklet for
XYZ(28.0673, 41.9831, 42.7006)
contains.

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Color

**XYZ(28.0673, 41.9831,
42.7006)**

Conversions

Conversions Part 1

Format	Color
Hex	40C1A6
RGB	64, 193, 166
RGB Percent	25%, 76%, 65%
CMY	0.7490, 0.2431, 0.3490
CMYK	0.67, 0.00, 0.14, 0.24
HSL	167°, 51%, 50%
HSV	167°, 67%, 76%
XYZ	28.0673, 41.9831, 42.7006
YIQ	151.3510, -68.2170, -35.7450

Conversions

Conversions Part 2

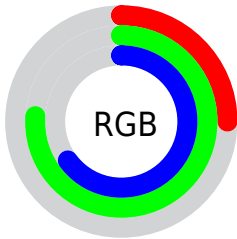
Format	Color
RYB	64, 136, 193
Decimal	4243878
CIELab	70.86, -41.43, 3.36
CIElCh	71, 41.571, 175.358
Yxy	41.9831, 0.2489, 0.3724
Android (android.graphics.Color)	4282433958 (0xFF40C1A6)
YUV	151.3510, 7.2220, -76.6068
Hunter-Lab	64.7944, -36.0684, 6.2829

Details

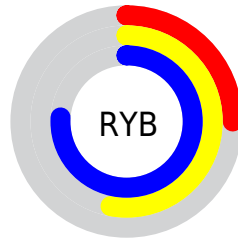
The XYZ color **28.0673, 41.9831, 42.7006** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **25.7155, 15.7608, 11.5861**, and the grayscale version is **29.5581, 31.0974, 33.8651**.

A 20% lighter version of the original color is **55.9891, 78.1037, 80.5312**, and **12.2699, 19.6801, 19.0715** is the 20% darker color. If you saturate the color by 10%, you get **26.6581, 41.2998, 40.7311**, and if you desaturate by 10%, it is **29.9247, 42.8981, 44.7537**.

Distribution



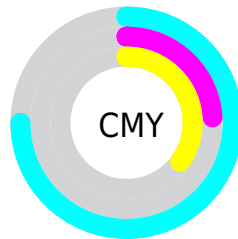
- Red (25%)
- Green (76%)
- Blue (65%)



- Red (25%)
- Yellow (53%)
- Blue (76%)



- Cyan (67%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)





- Cyan (75%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.0673, 41.9831, 42.7006 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 28.0673, 41.9831, 42.7006 by changing the saturation by 10% instead.


 28.0673, 41.9831,
42.7006


 28.0673, 41.9831,
42.7006


284.8626,
354.4129, 373.2640


 18.5171, 29.0881,
29.3206


 55.9998, 78.1740,
80.5404

 11.4238, 19.1474,
19.0758


 75.1127, 102.2387,
105.8372


 6.4220, 11.7769,
11.5477


 98.1440, 130.7954,
135.9434

 3.1464, 6.5919,
6.3177

 125.4590,
164.2285, 171.2776

 1.2317, 3.2082,
2.9673

 157.4230,
202.9224, 212.2582

 0.1312, 1.2414,
1.0780

194.4013,

 0.0000, 0.0951,

247.2615, 259.3037

0.0000

236.7594,
297.6302, 312.8328

■ 0.0000, 0.0000,
0.0000

■ 28.0673, 41.9831,
42.7006

■ 28.0673, 41.9831,
42.7006

■ 26.6581, 41.2998,
40.7311

■ 29.9247, 42.8981,
44.7537

■ 25.6464, 40.8191,
38.8395

■ 32.2671, 44.0609,
46.8899

■ 24.9700, 40.5099,
37.0233

■ 35.1316, 45.4913,
49.1124

■ 24.7877, 40.4281,
36.4626

■ 38.5507, 47.2063,
51.4233

■ 42.5540, 49.2211,
53.8244

■ 47.1691, 51.5499,
56.3176

■ 52.4219, 54.2060,
58.9045

■ 58.3367, 57.2019,
61.5868

■ 64.9365, 60.5495,
64.3662

Harmonies

Analogous

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



29.9365, 41.9831, 27.3082



28.0673, 41.9831, 42.7006



29.0572, 41.9831, 64.0311

Triad

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



28.0673, 41.9831, 42.7006



45.8714, 41.9831, 89.4624



47.9464, 41.9831, 21.0014

Complementary

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



28.0673, 41.9831, 42.7006



25.7155, 15.7608, 11.5861

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.



53.1605, 41.9831, 31.2703



28.0673, 41.9831, 42.7006



51.8688, 41.9831, 70.9457

Square

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



28.0673, 41.9831, 42.7006



38.8377, 41.9831, 95.1213



54.6725, 41.9831, 48.8627



40.9890, 41.9831, 17.2994

Rectangle

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



28.0673, 41.9831, 42.7006



31.2735, 41.9831, 78.5000



54.6725, 41.9831, 48.8627



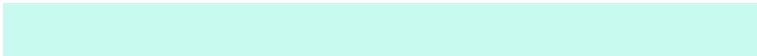
49.9913, 41.9831, 23.6242

Sweetspot

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



28.0685, 41.9847, 42.7016



73.5974, 86.8354, 94.8831



24.4055, 40.7846, 11.4374



15.3528, 18.4095, 20.0942



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.



28.0685, 41.9847, 42.7016



46.8606, 73.5433, 71.4339



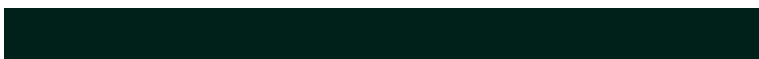
23.7056, 28.8702, 54.7770



10.2753, 11.3912, 12.4531



16.5160, 26.9005, 24.4082



0.7369, 1.1716, 1.1770

Inverse Universe

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



25.7155, 15.7608, 11.5861



42.4525, 23.3547, 12.3561



27.5293, 20.9294, 7.4403



10.1575, 10.1116, 10.9201



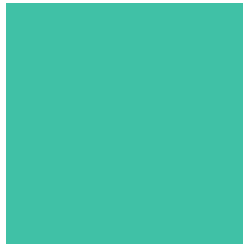
14.9109, 7.6541, 2.1768



0.6700, 0.3410, 0.2298

Previews

White Background



This preview shows how the XYZ color 28.0673, 41.9831, 42.7006 looks on a white background.

Color Contrast Check

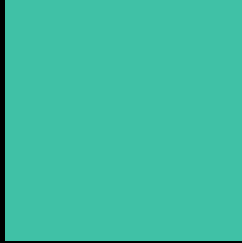
Large Text (above 18pt) WCAG AA × Fail

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 28.0673, 41.9831, 42.7006 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

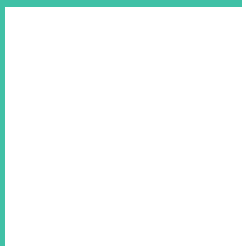
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.0673, 41.9831, 42.7006

Background



This preview shows how black text looks on a background with the XYZ color 28.0673, 41.9831, 42.7006.

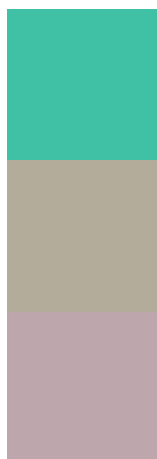


This preview shows how white text looks on a background with the XYZ color 28.0673, 41.9831,

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

28.0673, 41.9831, 42.7006

Protanopia

39.1757, 41.4218, 36.5023

Deuteranopia

42.2514, 41.4348, 44.8006



Tritanopia

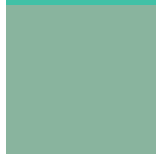
32.1561, 42.0276, 62.9172

Trichromacy



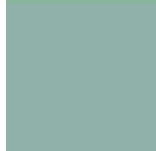
Original Color

28.0673, 41.9831, 42.7006



Protanomaly

32.8093, 40.4295, 38.4222



Deuteranomaly

34.2826, 39.8822, 43.9214



Tritanomaly

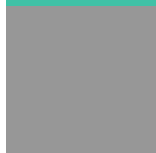
30.6094, 42.0405, 55.2165

Monochromacy



Original Color

28.0673, 41.9831, 42.7006



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.2447, 33.5947, 36.5010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.0673, 41.9831, 42.7006 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(64, 193, 166)` looks like.

```
.text, #text, p{  
  color:rgb(64, 193, 166)  
}
```

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(64, 193, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 193, 166) }
```

Border

The CSS property to change the border of an element to XYZ 28.0673, 41.9831, 42.7006 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(64, 193, 166) }
```


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

```
.border{ border-color:rgb(64, 193, 166) }
```

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

Here you see how a box with a 4 pixel rgb(64, 193, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 193, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 193, 166);  
box-shadow:4px 4px 4px 4px rgb(64, 193,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 28.0673, 41.9831, 42.7006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 193, 166) }
```

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

```
.background{ background-color: rgb(64, 193,  
166) }
```

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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