

Converting Colors

XYZ(40.9051, 67.6996, 54.8606)

Have a look what the booklet for
XYZ(40.9051, 67.6996, 54.8606)
contains.

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Color

**XYZ(40.8700, 67.6843,
54.6264)**

Conversions

Conversions Part 1

Format	Color
Hex	1CF3B5
RGB	28, 243, 181
RGB Percent	11%, 95%, 71%
CMY	0.8901, 0.0470, 0.2902
CMYK	0.88, 0.00, 0.26, 0.05
HSL	163°, 90%, 53%
HSV	163°, 88%, 95%
XYZ	40.8700, 67.6843, 54.6264
YIQ	171.6470, -108.2380, -64.8620

Conversions

Conversions Part 2

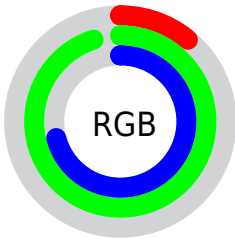
Format	Color
R_{YB}	28, 154, 243
Decimal	1897397
CIE _{Lab}	85.85, -61.61, 16.68
CIE _{LCh}	86, 63.828, 164.850
Y _{xy}	67.6843, 0.2505, 0.4148
Android (android.graphics.Color)	4280087477 (0xFF1CF3B5)
YUV	171.6470, 4.6110, -125.9784
Hunter-Lab	82.2705, -55.2988, 18.2216

Details

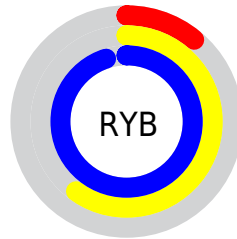
The XYZ color **40.8700, 67.6843, 54.6264** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **39.2254, 20.6252, 11.5905**, and the grayscale version is **39.0542, 41.0881, 44.7449**.

A 20% lighter version of the original color is **58.5173, 81.4860, 92.7649**, and **21.2452, 36.2564, 26.3005** is the 20% darker color. If you saturate the color by 10%, you get **39.7377, 67.1833, 50.9147**, and if you desaturate by 10%, it is **42.5625, 68.4733, 58.5562**.

Distribution



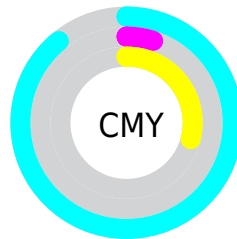
- Red (11%)
- Green (95%)
- Blue (71%)



- Red (11%)
- Yellow (60%)
- Blue (95%)



- Cyan (88%)
- Magenta (0%)
- Yellow (26%)
- Black (5%)




- Cyan (89%)
- Magenta (5%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8700, 67.6843, 54.6264 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 40.8700, 67.6843, 54.6264 by changing the saturation by 10% instead.


 40.8700, 67.6843,
54.6264


 40.8700, 67.6843,
54.6264


340.8489,
452.3767, 421.7361


 28.4047, 49.6409,
38.7061


 75.7625, 115.9004,
98.4590

 18.7730, 35.1282,
26.2251


 98.9204, 146.8419,
127.2084


 11.6094, 23.7616,
16.7648


 126.3732,
182.8516, 161.0713

 6.5486, 15.1569,
9.9068

 158.4864,
224.3139, 200.4661

 3.2252, 8.9296,
5.2324

 195.6251,
271.6132, 245.8115

 1.2740, 4.6953,
2.3231

238.1549,

 0.1636, 2.0696,

325.1338, 297.5259

0.7441

286.4410,
385.2601, 356.0279

■ 0.0000, 0.6474,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8700, 67.6843,
54.6264

■ 40.8700, 67.6843,
54.6264

■ 39.7377, 67.1833,
50.9147


■ 42.5625, 68.4733,
58.5562


■ 39.5871, 67.1177,
50.3644


■ 44.9339, 69.6064,
62.7079


■ 48.0732, 71.1310,
67.0896


■ 52.0540, 73.0851,
71.7075

 56.9412, 75.5021,
76.5671

 62.7931, 78.4119,
81.6736

 69.6631, 81.8420,
87.0320

 77.6005, 85.8178,
92.6469

 86.6514, 90.3630,
98.5229

Harmonies

Analogous

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



46.5020, 67.6843, 30.1438



40.8700, 67.6843, 54.6264



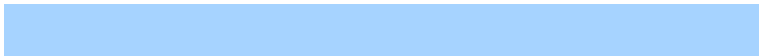
40.8420, 67.6843, 96.2717

Triad

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



40.8700, 67.6843, 54.6264



71.7950, 67.6843, 181.8638



86.3464, 67.6843, 30.3077

Complementary

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



40.8700, 67.6843, 54.6264



39.2254, 20.6252, 11.5905

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.



95.4455, 67.6843, 54.9593



40.8700, 67.6843, 54.6264



86.2203, 67.6843, 146.6130

Square

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



40.8700, 67.6843, 54.6264



57.2737, 67.6843, 181.6655



95.3961, 67.6843, 96.7572



71.9474, 67.6843, 20.1594

Rectangle

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



40.8700, 67.6843, 54.6264



43.9425, 67.6843, 129.8177



95.3961, 67.6843, 96.7572



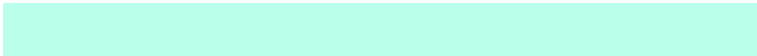
90.2165, 67.6843, 36.6525

Sweetspot

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



40.8718, 67.6870, 54.6280



71.0624, 87.9844, 91.9436



36.7266, 66.4893, 11.9976



14.6935, 18.5748, 19.2527



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.



40.8718, 67.6870, 54.6280



44.1477, 74.8751, 56.0889



37.3134, 48.0299, 92.1012



16.7811, 18.6716, 20.1314



21.7873, 36.8598, 27.9633



1.9592, 3.2573, 2.6912

Inverse Universe

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



39.2254, 20.6252, 11.5905



42.4606, 21.7482, 8.3577



39.4274, 23.6475, 3.5860



16.6957, 16.5611, 18.1439



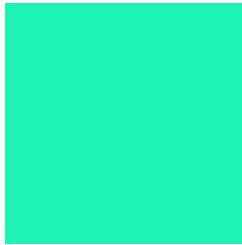
20.9446, 10.7213, 4.4169



1.8835, 0.9594, 0.6127

Previews

White Background



This preview shows how the XYZ color 40.8700, 67.6843, 54.6264 looks on a white background.

Color Contrast Check

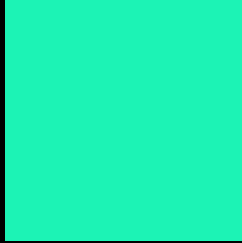
Large Text (above 18pt) WCAG AA × Fail

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 40.8700, 67.6843, 54.6264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

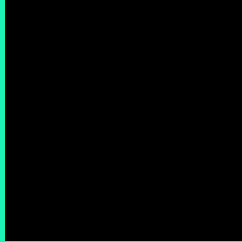
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

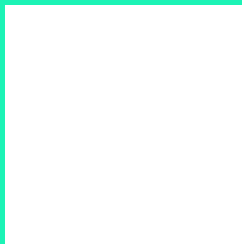
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8700, 67.6843, 54.6264

Background



This preview shows how black text looks on a background with the XYZ color 40.8700, 67.6843, 54.6264.



This preview shows how white text looks on a background with the XYZ color 40.8700, 67.6843,

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

40.8700, 67.6843, 54.6264

Protanopia

61.7904, 66.0089, 45.5607

Deuteranopia

67.6346, 66.2140, 57.3600



Tritanopia

50.6321, 67.7313, 103.3334

Trichromacy



Original Color

40.8700, 67.6843, 54.6264



Protanomaly

47.0648, 62.5857, 48.1277



Deuteranomaly

49.5043, 62.1007, 55.8319



Tritanomaly

46.1359, 67.1386, 83.2005

Monochromacy



Original Color

40.8700, 67.6843, 54.6264



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.6777, 47.4764, 47.8409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8700, 67.6843, 54.6264 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(28, 243, 181)` looks like.

```
.text, #text, p{  
    color:rgb(28, 243, 181)  
}
```

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(28, 243, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 243, 181) }
```

Border

The CSS property to change the border of an element to XYZ 40.8700, 67.6843, 54.6264 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(28, 243, 181) }
```


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

```
.border{ border-color:rgb(28, 243, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 243, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 243, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 243, 181);  
box-shadow:4px 4px 4px 4px rgb(28, 243,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8700, 67.6843, 54.6264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 243, 181) }
```

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

```
.background{ background-color: rgb(28, 243,  
181) }
```

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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