

Converting Colors

XYZ(40.9212, 68.6852, 51.2296)

Have a look what the booklet for
XYZ(40.9212, 68.6852, 51.2296)
contains.

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Color

**XYZ(40.9196, 68.6841,
51.1451)**

Conversions

Conversions Part 1

Format	Color
Hex	21F5AE
RGB	33, 245, 174
RGB Percent	13%, 96%, 68%
CMY	0.8705, 0.0392, 0.3176
CMYK	0.87, 0.00, 0.29, 0.04
HSL	160°, 91%, 55%
HSV	160°, 87%, 96%
XYZ	40.9196, 68.6841, 51.1451
YIQ	173.5180, -103.5610, -67.0250

Conversions

Conversions Part 2

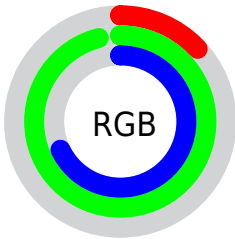
Format	Color
R_{YB}	33, 160, 245
Decimal	2225582
CIE _{Lab}	86.35, -63.61, 20.99
CIE _{LCh}	86, 66.983, 161.736
Yxy	68.6841, 0.2546, 0.4273
Android (android.graphics.Color)	4280415662 (0xFF21F5AE)
YUV	173.5180, 0.2376, -123.2343
Hunter-Lab	82.8759, -56.8992, 21.4235

Details

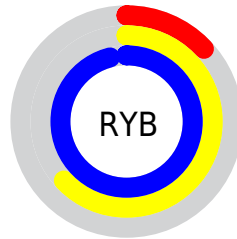
The XYZ color **40.9196, 68.6841, 51.1451** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **40.7012, 21.5014, 15.1057**, and the grayscale version is **40.0248, 42.1092, 45.8569**.

A 20% lighter version of the original color is **57.7887, 81.2262, 87.4954**, and **21.2215, 36.9211, 24.0972** is the 20% darker color. If you saturate the color by 10%, you get **39.6244, 68.1078, 47.0363**, and if you desaturate by 10%, it is **42.8354, 69.5782, 55.5412**.

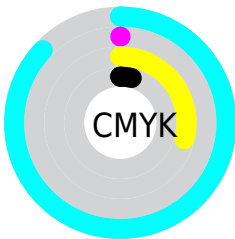
Distribution



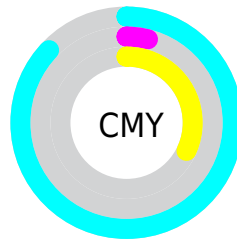
- Red (13%)
- Green (96%)
- Blue (68%)



- Red (13%)
- Yellow (63%)
- Blue (96%)



- Cyan (87%)
- Magenta (0%)
- Yellow (29%)
- Black (4%)





- Cyan (87%)
- Magenta (4%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9196, 68.6841, 51.1451 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 40.9196, 68.6841, 51.1451 by changing the saturation by 10% instead.


 40.9196, 68.6841,
51.1451


 40.9196, 68.6841,
51.1451


341.0528,
455.9160, 407.9899

 28.4437, 50.4545,
35.9466


 75.8373, 117.3303,
93.2829


 18.8025, 35.7746,
24.1036


 99.0098, 148.5156,
121.0593


 11.6308, 24.2602,
15.1976


 126.4785,
184.7883, 153.8653

 6.5632, 15.5268,
8.8100

 158.6088,
226.5327, 192.1196

 3.2344, 9.1899,
4.5223

 195.7660,
274.1334, 236.2407

 1.2789, 4.8653,
1.9160

238.3155,

 0.1673, 2.1684,

327.9745, 286.6471

0.5029

286.6226,
388.4406, 343.7573

■ 0.0000, 0.7027,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9196, 68.6841,
51.1451

■ 40.9196, 68.6841,
51.1451

■ 39.6244, 68.1078,
47.0363


■ 42.8354, 69.5782,
55.5412


■ 39.2595, 67.9495,
45.6710


■ 45.4741, 70.8375,
60.2291


■ 48.9235, 72.5089,
65.2189


■ 53.2572, 74.6302,
70.5180

 58.5401, 77.2348,
76.1338

 64.8310, 80.3529,
82.0728

 72.1837, 84.0122,
88.3416

 80.6481, 88.2384,
94.9463

 90.2710, 93.0553,
101.8929

Harmonies

Analogous

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



47.4200, 68.6841, 27.5365



40.9196, 68.6841, 51.1451



40.2811, 68.6841, 93.4802

Triad

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



40.9196, 68.6841, 51.1451



71.5196, 68.6841, 192.9966



90.0811, 68.6841, 31.2113

Complementary

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



40.9196, 68.6841, 51.1451



40.7012, 21.5014, 15.1057

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.



98.9397, 68.6841, 58.7655



40.9196, 68.6841, 51.1451



87.1462, 68.6841, 158.0359

Square

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



40.9196, 68.6841, 51.1451



56.3995, 68.6841, 188.3131



97.7880, 68.6841, 104.7754



75.0518, 68.6841, 19.5616

Rectangle

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



40.9196, 68.6841, 51.1451



43.1172, 68.6841, 129.1219



97.7880, 68.6841, 104.7754



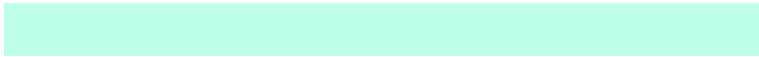
93.9788, 68.6841, 38.3377

Sweetspot

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



40.9214, 68.6868, 51.1467



71.3505, 88.1719, 90.1951



39.0170, 68.5559, 12.6161



14.7284, 18.6026, 18.8123



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.



40.9214, 68.6868, 51.1467



42.9773, 74.4069, 49.9256



40.9556, 54.6082, 94.7712



16.7470, 18.6579, 19.9520



21.2162, 36.6313, 24.9559



1.9124, 3.2386, 2.4443

Inverse Universe

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



40.7012, 21.5014, 15.1057



42.8959, 21.9224, 10.6499



39.8118, 23.2821, 3.8354



16.7281, 16.5741, 18.3146



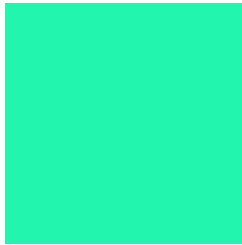
21.1652, 10.8095, 5.5784



1.9061, 0.9684, 0.7318

Previews

White Background



This preview shows how the XYZ color 40.9196, 68.6841, 51.1451 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 40.9196, 68.6841, 51.1451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

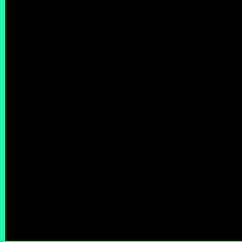
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

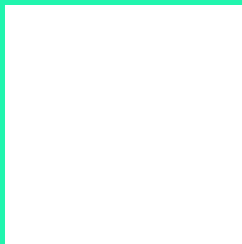
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9196, 68.6841, 51.1451

Background



This preview shows how black text looks on a background with the XYZ color 40.9196, 68.6841, 51.1451.



This preview shows how white text looks on a background with the XYZ color 40.9196, 68.6841,

Color Blindness Simulation

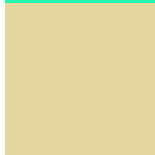
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

40.9196, 68.6841, 51.1451



Protanopia

62.7048, 67.2892, 42.9409



Deuteranopia

68.6246, 67.1543, 54.1449



Tritanopia

51.5282, 68.5987, 104.2910

Trichromacy



Original Color

40.9196, 68.6841, 51.1451



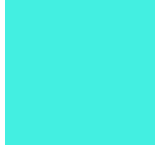
Protanomaly

47.8173, 63.8361, 45.3987



Deuteranomaly

50.1936, 62.9167, 52.6787



Tritanomaly

46.7718, 68.3625, 81.9643

Monochromacy



Original Color

40.9196, 68.6841, 51.1451



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

36.4626, 48.5755, 47.4986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9196, 68.6841, 51.1451 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(33, 245, 174)` looks like.

```
.text, #text, p{  
    color:rgb(33, 245, 174)  
}
```

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(33, 245, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 245, 174) }
```

Border

The CSS property to change the border of an element to XYZ 40.9196, 68.6841, 51.1451 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(33, 245, 174) }
```


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

```
.border{ border-color:rgb(33, 245, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 245, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 245, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 245, 174);  
box-shadow:4px 4px 4px 4px rgb(33, 245,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9196, 68.6841, 51.1451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 245, 174) }
```

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

```
.background{ background-color: rgb(33, 245,  
174) }
```

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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