

Converting Colors

XYZ(40.4148, 66.9599, 54.4438)

Have a look what the booklet for
XYZ(40.4148, 66.9599, 54.4438)
contains.

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Color

**XYZ(40.4693, 67.0346,
54.5221)**

Conversions

Conversions Part 1

Format	Color
Hex	18F2B5
RGB	24, 242, 181
RGB Percent	9%, 95%, 71%
CMY	0.9058, 0.0510, 0.2902
CMYK	0.90, 0.00, 0.25, 0.05
HSL	163°, 89%, 52%
HSV	163°, 90%, 95%
XYZ	40.4693, 67.0346, 54.5221
YIQ	169.8640, -110.3470, -65.1870

Conversions

Conversions Part 2

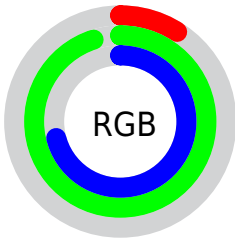
Format	Color
RYB	24, 151, 242
Decimal	1634997
CIELab	85.52, -61.44, 16.22
CIELCh	86, 63.543, 165.212
Yxy	67.0346, 0.2498, 0.4137
Android (android.graphics.Color)	4279825077 (0xFF18F2B5)
YUV	169.8640, 5.4900, -127.9227
Hunter-Lab	81.8747, -55.0510, 17.8298

Details

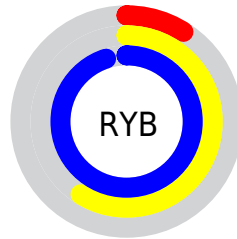
The XYZ color **40.4693, 67.0346, 54.5221** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **38.5868, 20.1882, 10.4616**, and the grayscale version is **38.1573, 40.1444, 43.7173**.

A 20% lighter version of the original color is **58.3822, 81.4163, 92.7586**, and **21.2452, 36.2564, 26.3005** is the 20% darker color. If you saturate the color by 10%, you get **39.4206, 66.5735, 50.9603**, and if you desaturate by 10%, it is **42.0354, 67.7614, 58.3134**.

Distribution



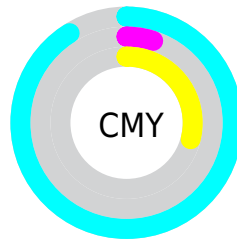
- Red (9%)
- Green (95%)
- Blue (71%)



- Red (9%)
- Yellow (59%)
- Blue (95%)



- Cyan (90%)
- Magenta (0%)
- Yellow (25%)
- Black (5%)





- Cyan (91%)
- Magenta (5%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4693, 67.0346, 54.5221 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 40.4693, 67.0346, 54.5221 by changing the saturation by 10% instead.


 40.4693, 67.0346,
54.5221


 40.4693, 67.0346,
54.5221


339.1982,
450.0679, 421.3286


 28.0905, 49.1127,
38.6232


 75.1574, 114.9700,
98.3045

 18.5347, 34.7089,
26.1612


 98.1974, 145.7523,
127.0251

 11.4365, 23.4387,
16.7174


 125.5219,
181.5902, 160.8567

 6.4307, 14.9178,
9.8734

 157.4961,
222.8682, 200.2179

 3.1518, 8.7617,
5.2106

 194.4856,
269.9705, 245.5271

 1.2346, 4.5861,
2.3105

236.8555,

 0.1334, 2.0065,

323.2817, 297.2029

0.7371

284.9712,
383.1860, 355.6639

■ 0.0000, 0.6113,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.4693, 67.0346,
54.5221

■ 40.4693, 67.0346,
54.5221


■ 39.4206, 66.5735,
50.9603


■ 42.0354, 67.7614,
58.3134


■ 44.2563, 68.8201,
62.3126

■ 47.2229, 70.2592,
66.5279


■ 51.0097, 72.1171,
70.9650

 55.6823, 74.4275,
75.6294

 61.2991, 77.2205,
80.5260

 67.9136, 80.5236,
85.6596

 75.5753, 84.3624,
91.0346

 84.3303, 88.7604,
96.6552

Harmonies

Analogous

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



45.9758, 67.0346, 30.0902



40.4693, 67.0346, 54.5221



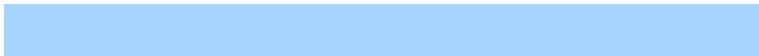
40.5087, 67.0346, 95.8975

Triad

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



40.4693, 67.0346, 54.5221



71.2785, 67.0346, 179.7028



85.3364, 67.0346, 29.8600

Complementary

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



40.4693, 67.0346, 54.5221



38.5868, 20.1882, 10.4616

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.



94.4260, 67.0346, 54.0549



40.4693, 67.0346, 54.5221



85.5133, 67.0346, 144.5317

Square

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



40.4693, 67.0346, 54.5221



56.8893, 67.0346, 179.9810



94.4952, 67.0346, 95.2163



71.0645, 67.0346, 19.9522

Rectangle

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



40.4693, 67.0346, 54.5221



43.6212, 67.0346, 129.0882



94.4952, 67.0346, 95.2163



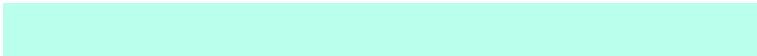
89.1884, 67.0346, 36.0791

Sweetspot

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



40.4711, 67.0372, 54.5237



71.1477, 88.0185, 92.3929



35.7360, 65.5406, 11.6323



14.7138, 18.5829, 19.3595



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.



40.4711, 67.0372, 54.5237



44.3740, 74.9656, 57.2808



35.8692, 45.5344, 90.9059



16.0477, 17.8491, 19.2741



21.2375, 35.7870, 27.6973



1.8089, 2.9940, 2.5260

Inverse Universe

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



38.5868, 20.1882, 10.4616



42.3889, 21.7196, 7.9802



39.0534, 23.4822, 3.3394



15.9546, 15.8315, 17.3171



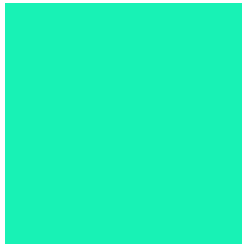
20.2774, 10.3834, 4.1114



1.7278, 0.8802, 0.5573

Previews

White Background



This preview shows how the XYZ color 40.4693, 67.0346, 54.5221 looks on a white background.

Color Contrast Check

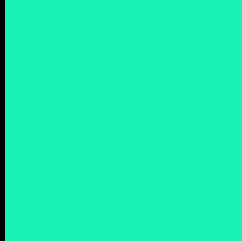
Large Text (above 18pt) WCAG AA × Fail

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 40.4693, 67.0346, 54.5221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

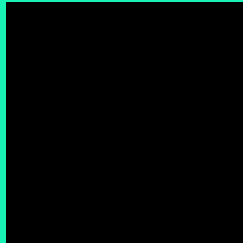
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

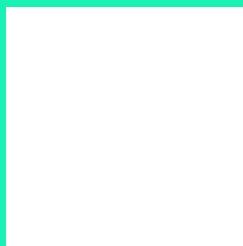
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.4693, 67.0346, 54.5221

Background



This preview shows how black text looks on a background with the XYZ color 40.4693, 67.0346, 54.5221.

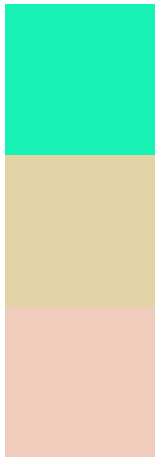


This preview shows how white text looks on a background with the XYZ color 40.4693, 67.0346,

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

40.4693, 67.0346, 54.5221

Protanopia

61.2285, 65.3493, 45.4630

Deuteranopia

66.7134, 65.3851, 57.2485



Tritanopia

50.0179, 67.0116, 102.3938

Trichromacy



Original Color

40.4693, 67.0346, 54.5221



Protanomaly

46.4209, 61.8582, 48.0213



Deuteranomaly

48.6323, 61.2650, 55.7165



Tritanomaly

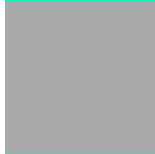
45.5864, 66.4426, 82.3735

Monochromacy



Original Color

40.4693, 67.0346, 54.5221



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.7160, 46.3178, 47.1549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4693, 67.0346, 54.5221 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(24, 242, 181)` looks like.

```
.text, #text, p{  
    color:rgb(24, 242, 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(24, 242, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 242, 181) }
```

Border

The CSS property to change the border of an element to XYZ 40.4693, 67.0346, 54.5221 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(24, 242, 181) }
```


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

```
.border{ border-color:rgb(24, 242, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 242, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 242, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 242, 181);  
box-shadow:4px 4px 4px 4px rgb(24, 242,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4693, 67.0346, 54.5221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 242, 181) }
```

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

```
.background{ background-color: rgb(24, 242,  
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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