

Converting Colors

XYZ(40.5875, 63.7267, 53.9389)

Have a look what the booklet for
XYZ(40.5875, 63.7267, 53.9389)
contains.

XYZ(40.5110, 63.5983, 53.8566)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.5110, 63.5983,
53.8566)**

Conversions

Conversions Part 1

Format	Color
Hex	49EAB5
RGB	73, 234, 181
RGB Percent	29%, 92%, 71%
CMY	0.7137, 0.0823, 0.2902
CMYK	0.69, 0.00, 0.23, 0.08
HSL	160°, 79%, 60%
HSV	160°, 69%, 92%
XYZ	40.5110, 63.5983, 53.8566
YIQ	179.8190, -78.9430, -50.6150

Conversions

Conversions Part 2

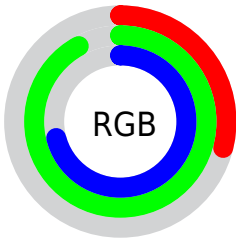
Format	Color
RYB	73, 169, 234
Decimal	4844213
CIELab	83.76, -53.70, 13.82
CIELCh	84, 55.451, 165.564
Yxy	63.5983, 0.2565, 0.4026
Android (android.graphics.Color)	4283034293 (0xFF49EAB5)
YUV	179.8190, 0.5822, -93.6803
Hunter-Lab	79.7485, -48.8848, 15.7837

Details

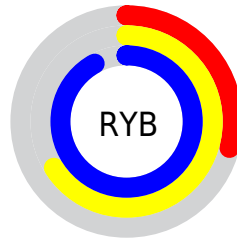
The XYZ color **40.5110, 63.5983, 53.8566** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **40.0823, 23.7655, 22.2160**, and the grayscale version is **43.3145, 45.5702, 49.6259**.

A 20% lighter version of the original color is **61.8613, 83.2099, 92.9214**, and **19.6184, 33.0028, 25.7583** is the 20% darker color. If you saturate the color by 10%, you get **38.2917, 62.5447, 49.7409**, and if you desaturate by 10%, it is **43.4441, 65.0181, 58.2367**.

Distribution



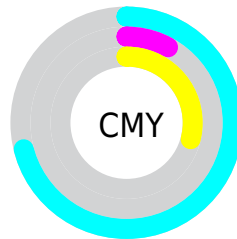
- Red (29%)
- Green (92%)
- Blue (71%)



- Red (29%)
- Yellow (66%)
- Blue (92%)



- Cyan (69%)
- Magenta (0%)
- Yellow (23%)
- Black (8%)





- Cyan (71%)
- Magenta (8%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.5110, 63.5983, 53.8566 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 40.5110, 63.5983, 53.8566 by changing the saturation by 10% instead.


 40.5110, 63.5983,
53.8566


 40.5110, 63.5983,
53.8566

339.3703,
437.7376, 418.7221


 28.1232, 46.3254,
38.0946


 75.2204, 110.0322,
97.3179


 18.5595, 32.5027,
25.7537


 98.2727, 139.9620,
125.8544

 11.4545, 21.7457,
16.4154


 125.6106,
174.8796, 159.4861

 6.4429, 13.6702,
9.6610

 157.5993,
215.1693, 198.6316

 3.1594, 7.8916,
5.0721

194.6043,
261.2156, 243.7094

 1.2386, 4.0257,
2.2302

236.9909,

 0.1365, 1.6879,

313.4028, 295.1380

0.6917

285.1244,
372.1153, 353.3361

■ 0.0000, 0.4158,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5110, 63.5983,
53.8566

■ 40.5110, 63.5983,
53.8566

■ 38.2917, 62.5447,
49.7409

■ 43.4441, 65.0181,
58.2367

■ 36.7010, 61.8085,
45.8777


■ 47.1534, 66.8313,
62.8836


■ 35.6212, 61.3308,
42.2593


■ 51.7002, 69.0710,
67.8049


■ 35.5070, 61.2810,
41.8408


■ 57.1380, 71.7649,
73.0065

 63.5159, 74.9379,
78.4942

 70.8792, 78.6135,
84.2732

 79.2701, 82.8134,
90.3488

 86.7859, 86.5566,
96.6351

 87.9717, 87.0310,
102.8798

Harmonies

Analogous

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



45.2401, 63.5983, 32.1443



40.5110, 63.5983, 53.8566



40.6023, 63.5983, 88.8181

Triad

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



40.5110, 63.5983, 53.8566



66.9428, 63.5983, 155.8822



78.3441, 63.5983, 31.5885

Complementary

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



40.5110, 63.5983, 53.8566



40.0823, 23.7655, 22.2160

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.



85.8918, 63.5983, 52.7866



40.5110, 63.5983, 53.8566



78.7318, 63.5983, 127.5196

Square

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



40.5110, 63.5983, 53.8566



54.8035, 63.5983, 156.4691



86.0425, 63.5983, 87.3229



66.4679, 63.5983, 22.5293

Rectangle

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



40.5110, 63.5983, 53.8566



43.3502, 63.5983, 115.9634



86.0425, 63.5983, 87.3229



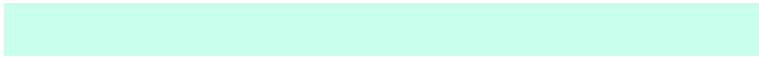
81.5378, 63.5983, 37.1411

Sweetspot

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



40.5127, 63.6008, 53.8581



75.3089, 90.1361, 93.8340



39.3304, 63.8158, 16.5492



15.6499, 19.0592, 19.6856



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.



40.5127, 63.6008, 53.8581



45.5621, 75.5576, 58.2606



39.9542, 52.0660, 85.7887



15.2946, 17.0326, 18.2340



20.0127, 34.4595, 23.8297



1.6155, 2.7235, 2.1033

Inverse Universe

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



40.0823, 23.7655, 22.2160



45.0988, 24.2062, 17.9261



39.6775, 27.0577, 9.4358



15.2699, 15.1358, 16.7068



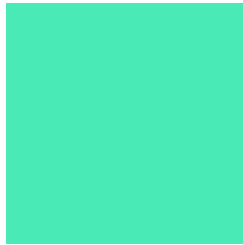
19.8729, 10.1519, 5.1323



1.6035, 0.8143, 0.6292

Previews

White Background



This preview shows how the XYZ color 40.5110, 63.5983, 53.8566 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 40.5110, 63.5983, 53.8566 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

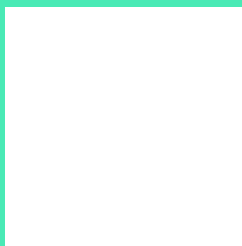
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.5110, 63.5983, 53.8566

Background



This preview shows how black text looks on a background with the XYZ color 40.5110, 63.5983, 53.8566.



This preview shows how white text looks on a background with the XYZ color 40.5110, 63.5983,

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

40.5110, 63.5983, 53.8566

Protanopia

58.5941, 62.5129, 46.0237

Deuteranopia

63.7713, 62.4751, 56.8419



Tritanopia

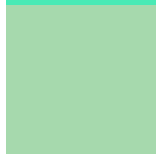
48.7810, 63.6337, 95.2995

Trichromacy



Original Color

40.5110, 63.5983, 53.8566



Protanomaly

48.0816, 60.7498, 48.7269



Deuteranomaly

50.0856, 59.7461, 55.3467



Tritanomaly

45.2869, 63.4327, 78.2635

Monochromacy



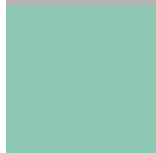
Original Color

40.5110, 63.5983, 53.8566



Achromatopsia

43.3819, 45.6411, 49.7032



Achromatomaly

39.8770, 50.2666, 50.7807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.5110, 63.5983, 53.8566 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(73, 234, 181)` looks like.

```
.text, #text, p{  
    color:rgb(73, 234, 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(73, 234, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 234, 181) }
```

Border

The CSS property to change the border of an element to XYZ 40.5110, 63.5983, 53.8566 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(73, 234, 181) }
```


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

```
.border{ border-color:rgb(73, 234, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 234, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 234, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 234, 181);  
box-shadow:4px 4px 4px 4px rgb(73, 234,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 40.5110, 63.5983, 53.8566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 234, 181) }
```

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

```
.background{ background-color: rgb(73, 234,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor