

Converting Colors

XYZ(40.2726, 50.1082, 54.2856)

Have a look what the booklet for
XYZ(40.2726, 50.1082, 54.2856)
contains.

XYZ(40.2083, 50.0102, 54.5474)	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(40.2083, 50.0102,
54.5474)**

Conversions

Conversions Part 1

Format	Color
Hex	8CC7BB
RGB	140, 199, 187
RGB Percent	55%, 78%, 73%
CMY	0.4510, 0.2196, 0.2667
CMYK	0.30, 0.00, 0.06, 0.22
HSL	168°, 35%, 66%
HSV	168°, 30%, 78%
XYZ	40.2083, 50.0102, 54.5474
YIQ	179.9910, -31.3120, -16.2400

Conversions

Conversions Part 2

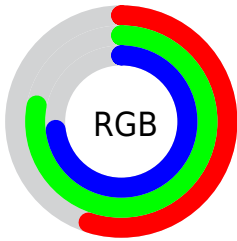
Format	Color
RYB	140, 173, 199
Decimal	9226171
CIELab	76.08, -21.53, -0.09
CIElCh	76, 21.534, 180.245
Yxy	50.0102, 0.2777, 0.3455
Android (android.graphics.Color)	4287416251 (0xFF8CC7BB)
YUV	179.9910, 3.4554, -35.0721
Hunter-Lab	70.7179, -22.2660, 3.7699

Details

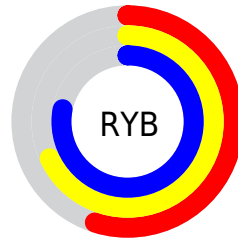
The XYZ color **40.2083, 50.0102, 54.5474** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.6006, 33.1667, 34.0752**, and the grayscale version is **43.3728, 45.6316, 49.6928**.

A 20% lighter version of the original color is **74.4433, 89.5932, 98.1637**, and **18.3590, 23.9983, 26.2188** is the 20% darker color. If you saturate the color by 10%, you get **36.7266, 48.2660, 52.1547**, and if you desaturate by 10%, it is **44.3115, 52.0760, 57.0351**.

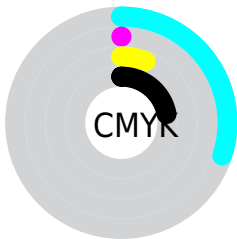
Distribution



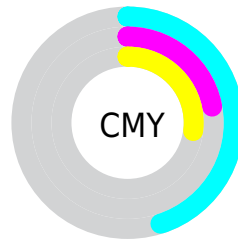
- Red (55%)
- Green (78%)
- Blue (73%)



- Red (55%)
- Yellow (68%)
- Blue (78%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)





- Cyan (45%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.2083, 50.0102, 54.5474 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 40.2083, 50.0102, 54.5474 by changing the saturation by 10% instead.


 40.2083, 50.0102,
54.5474


 40.2083, 50.0102,
54.5474


338.1201,
386.7058, 421.4275


 27.8859, 35.4215,
38.6433


 74.7629, 90.1900,
98.3420

 18.3797, 23.9877,
26.1767


 97.7259, 116.5499,
127.0696

 11.3243, 15.3245,
16.7289


 124.9664,
147.6023, 160.9088

 6.3543, 9.0475,
9.8815

156.8499,
183.7316, 200.2781

 3.1044, 4.7722,
5.2159

193.7416,
225.3222, 245.5961

 1.2092, 2.1142,
2.3135

236.0070,

 0.1136, 0.6726,

272.7585, 297.2813

0.7388

284.0114,
326.4249, 355.7522

■ 0.0000, 0.0000,
0.0000

■ 40.2083, 50.0102,
54.5474

■ 40.2083, 50.0102,
54.5474

■ 36.7266, 48.2660,
52.1547

■ 44.3115, 52.0760,
57.0351

■ 33.8292, 46.8203,
49.8516

■ 49.0623, 54.4729,
59.6163

■ 31.4819, 45.6568,
47.6370

■ 54.4904, 57.2176,
62.2940

■ 29.6445, 44.7548,
45.5084

■ 60.6225, 60.3237,
65.0700

■ 28.2719, 44.0910,
43.4633

■ 67.4836, 63.8042,
67.9459

■ 27.3102, 43.6378,
41.4986

■ 73.4587, 66.8264,
70.8466

■ 26.6619, 43.3447,
39.6091

■ 73.9737, 67.0324,
73.5586

■ 26.6408, 43.3353,
39.5438

■ 74.5016, 67.2436,
76.3384

■ 75.0425, 67.4599,
79.1865

Harmonies

Analogous

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



41.1276, 50.0102, 44.1791



40.2083, 50.0102, 54.5474



41.1576, 50.0102, 66.3938

Triad

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



40.2083, 50.0102, 54.5474



51.5379, 50.0102, 75.9258



51.4774, 50.0102, 37.3919

Complementary

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



40.2083, 50.0102, 54.5474



38.6006, 33.1667, 34.0752

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.



54.5354, 50.0102, 44.0365



40.2083, 50.0102, 54.5474



54.5716, 50.0102, 66.2067

Square

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



40.2083, 50.0102, 54.5474



47.5663, 50.0102, 79.7526



55.6977, 50.0102, 54.3579



47.5001, 50.0102, 35.1639

Rectangle

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



40.2083, 50.0102, 54.5474



42.7549, 50.0102, 73.3261



55.6977, 50.0102, 54.3579



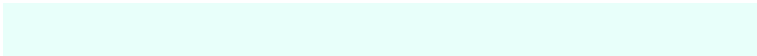
52.6548, 50.0102, 39.1321

Sweetspot

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



40.2097, 50.0122, 54.5485



86.3623, 95.6071, 104.6174



38.2546, 49.4937, 32.3488



18.2046, 20.3222, 22.2471



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.



40.2097, 50.0122, 54.5485



66.0929, 85.4027, 92.6058



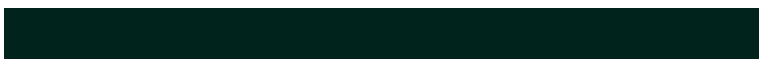
37.9116, 43.2729, 60.3896



10.8507, 12.0292, 13.1639



17.1620, 27.8772, 25.5956



0.8367, 1.3296, 1.3388

Inverse Universe

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



38.6006, 33.1667, 34.0752



62.8033, 50.8977, 50.7022



40.2976, 38.0553, 30.0333



10.7206, 10.6716, 11.5122



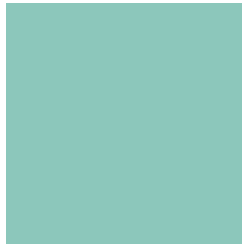
15.4226, 7.9186, 2.1691



0.7569, 0.3856, 0.2431

Previews

White Background



This preview shows how the XYZ color 40.2083, 50.0102, 54.5474 looks on a white background.

Color Contrast Check

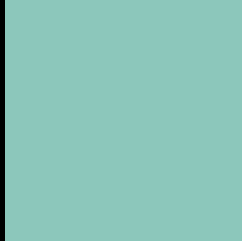
Large Text (above 18pt) WCAG AA × Fail

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 40.2083, 50.0102, 54.5474 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 40.2083, 50.0102, 54.5474

Background



This preview shows how black text looks on a background with the XYZ color 40.2083, 50.0102, 54.5474.

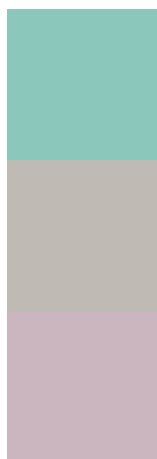


This preview shows how white text looks on a background with the XYZ color 40.2083, 50.0102,

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

40.2083, 50.0102, 54.5474

Protanopia

47.5354, 49.6196, 50.2522

Deuteranopia

50.5564, 49.5058, 56.1812



Tritanopia

42.9500, 49.7531, 68.9676

Trichromacy



Original Color

40.2083, 50.0102, 54.5474

Protanomaly

44.4116, 49.5647, 52.0260

Deuteranomaly

46.0999, 49.3874, 55.8182

Tritanomaly

41.7283, 49.5838, 63.2484

Monochromacy



Original Color

40.2083, 50.0102, 54.5474

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.8346, 46.9589, 51.6588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2083, 50.0102, 54.5474 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(140, 199, 187)` looks like.

```
.text, #text, p{  
    color:rgb(140, 199, 187)  
}
```

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(140, 199, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 199, 187) }
```

Border

The CSS property to change the border of an element to XYZ 40.2083, 50.0102, 54.5474 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(140, 199, 187) }
```


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

```
.border{ border-color:rgb(140, 199, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 199, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 199, 187); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 199, 187); box-shadow:4px 4px 4px 4px rgb(140, 199, 187) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2083, 50.0102, 54.5474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 199, 187) }
```

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

```
.background{ background-color: rgb(140,  
199, 187) }
```

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