

Converting Colors

XYZ(40.1071, 49.7123, 53.7224)

Have a look what the booklet for
XYZ(40.1071, 49.7123, 53.7224)
contains.

XYZ(40.0415, 49.5961, 53.9170)	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(40.0415, 49.5961,
53.9170)**

Conversions

Conversions Part 1

Format	Color
Hex	8DC6BA
RGB	141, 198, 186
RGB Percent	55%, 78%, 73%
CMY	0.4471, 0.2235, 0.2706
CMYK	0.29, 0.00, 0.06, 0.22
HSL	167°, 33%, 66%
HSV	167°, 29%, 78%
XYZ	40.0415, 49.5961, 53.9170
YIQ	179.5890, -30.1200, -15.8160

Conversions

Conversions Part 2

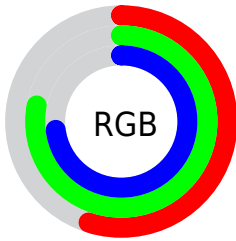
Format	Color
RYB	141, 173, 198
Decimal	9291450
CIELab	75.82, -20.95, 0.08
CIElCh	76, 20.955, 179.774
Yxy	49.5961, 0.2789, 0.3455
Android (android.graphics.Color)	4287481530 (0xFF8DC6BA)
YUV	179.5890, 3.1606, -33.8426
Hunter-Lab	70.4245, -21.7525, 3.9047

Details

The XYZ color **40.0415, 49.5961, 53.9170** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.5650, 33.3567, 34.5448**, and the grayscale version is **43.1585, 45.4061, 49.4472**.

A 20% lighter version of the original color is **74.5520, 89.6666, 97.3825**, and **18.3267, 23.7638, 25.8113** is the 20% darker color. If you saturate the color by 10%, you get **36.5346, 47.8400, 51.4736**, and if you desaturate by 10%, it is **44.1661, 51.6717, 56.4589**.

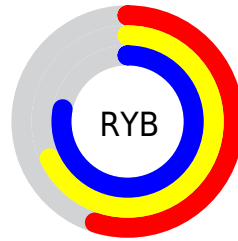
Distribution



Red (55%)

Green (78%)

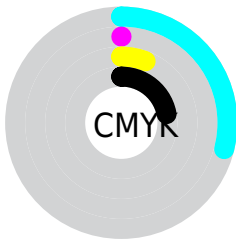
Blue (73%)



Red (55%)

Yellow (68%)

Blue (78%)

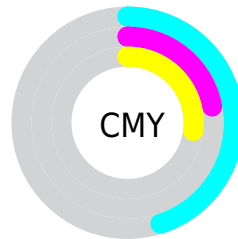


Cyan (29%)

Magenta (0%)

Yellow (6%)

Black (22%)



Cyan (45%)

Magenta (22%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0415, 49.5961, 53.9170 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 40.0415, 49.5961, 53.9170 by changing the saturation by 10% instead.

■ 40.0415, 49.5961,
53.9170

■ 40.0415, 49.5961,
53.9170

337.4299,
385.0843, 418.9591

■ 27.7553, 35.0926,
38.1426

■ 74.5106, 89.5762,
97.4075

■ 18.2808, 23.7342,
25.7907

■ 97.4243, 115.8215,
125.9607

■ 11.2527, 15.1366,
16.4428

■ 124.6110,
146.7495, 159.6106

■ 6.3056, 8.9153,
9.6803

156.4363,
182.7447, 198.7757

■ 3.0742, 4.6860,
5.0847

193.2655,
224.1913, 243.8746

■ 1.1931, 2.0642,
2.2374

235.4639,

■ 0.1009, 0.6444,

271.4739, 295.3257

0.6958

283.3969,
324.9768, 353.5477

■ 0.0000, 0.0000,
0.0000

■ 40.0415, 49.5961,
53.9170

■ 40.0415, 49.5961,
53.9170

■ 36.5346, 47.8400,
51.4736

■ 44.1661, 51.6717,
56.4589

■ 33.6089, 46.3807,
49.1233

■ 48.9339, 54.0761,
59.0980

■ 31.2308, 45.2023,
46.8651

■ 54.3741, 56.8257,
61.8371

■ 29.3611, 44.2845,
44.6964

■ 60.5130, 59.9339,
64.6782

■ 27.9555, 43.6045,
42.6146

■ 67.3754, 63.4135,
67.6228

■ 26.9621, 43.1356,
40.6168

■ 73.1950, 66.3540,
70.5889

■ 26.2952, 42.8336,
38.6982

■ 73.7247, 66.5659,
73.3782

■ 26.2222, 42.8009,
38.4705

■ 74.2680, 66.7832,
76.2394

■ 74.8251, 67.0060,
79.1731

Harmonies

Analogous

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



40.9615, 49.5961, 43.9098



40.0415, 49.5961, 53.9170



40.9345, 49.5961, 65.3654

Triad

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



40.0415, 49.5961, 53.9170



50.9564, 49.5961, 74.8354



51.0104, 49.5961, 37.5116

Complementary

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



40.0415, 49.5961, 53.9170



38.5650, 33.3567, 34.5448

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.



53.9421, 49.5961, 44.0378



40.0415, 49.5961, 53.9170



53.9097, 49.5961, 65.5323

Square

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



40.0415, 49.5961, 53.9170



47.1100, 49.5961, 78.4091



55.0306, 49.5961, 54.0865



47.1692, 49.5961, 35.2711

Rectangle

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



40.0415, 49.5961, 53.9170



42.4675, 49.5961, 72.0845



55.0306, 49.5961, 54.0865



52.1424, 49.5961, 39.2282

Sweetspot

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



40.0429, 49.5981, 53.9181



86.3366, 95.5968, 104.4819



38.2063, 49.1198, 32.6674



18.1982, 20.3196, 22.2135



0.0000, 0.0000, 0.0000



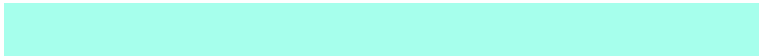
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.0429, 49.5981, 53.9181



66.6040, 85.6682, 92.5401



37.8763, 43.1362, 59.7583



10.8474, 12.0278, 13.1464



17.0843, 27.8461, 25.1863



0.8336, 1.3284, 1.3226

Inverse Universe

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



38.5650, 33.3567, 34.5448



63.5396, 51.9251, 52.3199



40.1804, 38.0950, 30.4354



10.7237, 10.6729, 11.5284



15.4393, 7.9253, 2.2570



0.7583, 0.3862, 0.2504

Previews

White Background



This preview shows how the XYZ color 40.0415, 49.5961, 53.9170 looks on a white background.

Color Contrast Check

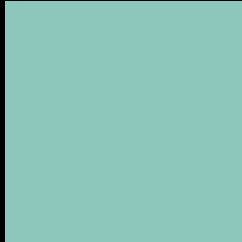
Large Text (above 18pt) WCAG AA × Fail

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 40.0415, 49.5961, 53.9170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

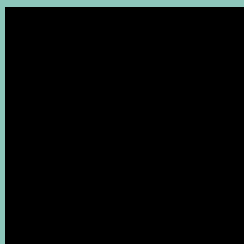
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

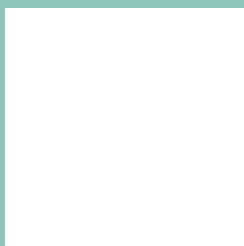
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.0415, 49.5961, 53.9170

Background



This preview shows how black text looks on a background with the XYZ color 40.0415, 49.5961, 53.9170.

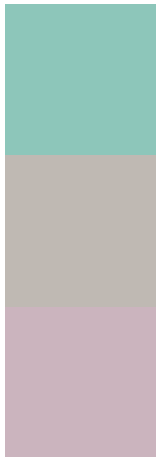


This preview shows how white text looks on a background with the XYZ color 40.0415, 49.5961,

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

40.0415, 49.5961, 53.9170

Protanopia

46.9715, 49.0290, 49.6357

Deuteranopia

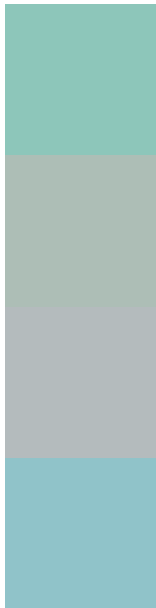
50.2441, 49.0567, 55.5359



Tritanopia

42.7787, 49.3477, 68.2432

Trichromacy



Original Color

40.0415, 49.5961, 53.9170

Protanomaly

44.0905, 49.0885, 51.4072

Deuteranomaly

45.7780, 48.9181, 55.1735

Tritanomaly

41.5593, 49.1766, 62.5600

Monochromacy



Original Color

40.0415, 49.5961, 53.9170

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.9397, 47.0250, 51.1223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0415, 49.5961, 53.9170 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(141, 198, 186)` looks like.

```
.text, #text, p{  
    color:rgb(141, 198, 186)  
}
```

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(141, 198, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 198, 186) }
```

Border

The CSS property to change the border of an element to XYZ 40.0415, 49.5961, 53.9170 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(141, 198, 186) }
```


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

```
.border{ border-color:rgb(141, 198, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 198, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 198, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 198, 186);  
box-shadow:4px 4px 4px 4px rgb(141, 198,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0415, 49.5961, 53.9170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 198, 186) }
```

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

```
.background{ background-color: rgb(141,  
198, 186) }
```

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