

Converting Colors

XYZ(40.1390, 49.9198, 56.8054)

Have a look what the booklet for
XYZ(40.1390, 49.9198, 56.8054)
contains.

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Color

**XYZ(40.1439, 49.9268,
56.8112)**

Conversions

Conversions Part 1

Format	Color
Hex	89C7BF
RGB	137, 199, 191
RGB Percent	54%, 78%, 75%
CMY	0.4627, 0.2196, 0.2510
CMYK	0.31, 0.00, 0.04, 0.22
HSL	172°, 36%, 66%
HSV	172°, 31%, 78%
XYZ	40.1439, 49.9268, 56.8112
YIQ	179.5500, -34.3840, -15.6320

Conversions

Conversions Part 2

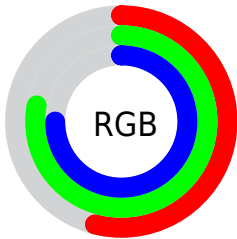
Format	Color
RYB	137, 170, 199
Decimal	9029567
CIELab	76.02, -21.51, -2.35
CIELCh	76, 21.641, 186.229
Yxy	49.9268, 0.2733, 0.3399
Android (android.graphics.Color)	4287219647 (0xFF89C7BF)
YUV	179.5500, 5.6449, -37.3163
Hunter-Lab	70.6589, -22.2407, 1.7909

Details

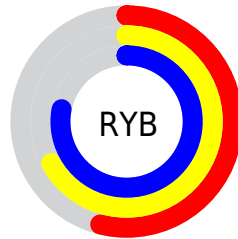
The XYZ color **40.1439, 49.9268, 56.8112** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.6114, 32.0791, 30.9996**, and the grayscale version is **43.1264, 45.3723, 49.4105**.

A 20% lighter version of the original color is **74.2867, 89.4419, 101.3444**, and **18.3690, 23.9706, 27.7034** is the 20% darker color. If you saturate the color by 10%, you get **36.8980, 48.2871, 55.1976**, and if you desaturate by 10%, it is **43.9993, 51.8827, 58.4814**.

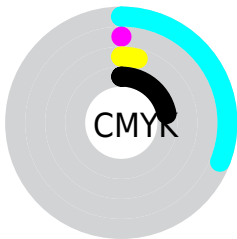
Distribution



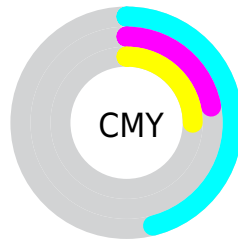
- Red (54%)
- Green (78%)
- Blue (75%)



- Red (54%)
- Yellow (67%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (46%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.1439, 49.9268, 56.8112 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 40.1439, 49.9268, 56.8112 by changing the saturation by 10% instead.


 40.1439, 49.9268,
56.8112


 40.1439, 49.9268,
56.8112


337.8537,
386.3796, 430.2154


 27.8355, 35.3552,
40.4453


 74.6655, 90.0664,
101.6872

 18.3415, 23.9366,
27.5695


 97.6095, 116.4033,
131.0345

 11.2966, 15.2866,
17.7652


 124.8292,
147.4306, 165.5460

 6.3355, 9.0208,
10.6138

156.6903,
183.5330, 205.6402

 3.0927, 4.7548,
5.6969

193.5579,
225.0946, 251.7357

 1.2030, 2.1041,
2.5959

235.7974,

 0.1087, 0.6669,

272.5000, 304.2510

0.8903

283.7743,
326.1336, 363.6048

■ 0.0000, 0.0000,
0.0000

■ 40.1439, 49.9268,
56.8112

■ 40.1439, 49.9268,
56.8112

■ 36.8980, 48.2871,
55.1976

■ 43.9993, 51.8827,
58.4814

■ 34.2241, 46.9405,
53.6354

■ 48.4905, 54.1644,
60.2062

■ 32.0873, 45.8702,
52.1240

■ 53.6475, 56.7889,
61.9884

■ 30.4471, 45.0553,
50.6613

■ 59.4970, 59.7697,
63.8292

■ 29.2572, 44.4720,
49.2450

■ 66.0644, 63.1201,
65.7301

■ 28.4623, 44.0918,
47.8725

■ 72.8551, 66.5849,
67.6679

■ 27.9980, 43.8781,
46.6907

■ 73.1706, 66.7111,
69.3293

■ 73.4912, 66.8394,
71.0177

■ 73.8170, 66.9697,
72.7332

Harmonies

Analogous

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



40.6948, 49.9268, 45.8794



40.1439, 49.9268, 56.8112



41.4602, 49.9268, 68.5967

Triad

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



40.1439, 49.9268, 56.8112



52.1940, 49.9268, 74.3522



50.6541, 49.9268, 36.4400

Complementary

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



40.1439, 49.9268, 56.8112



37.6114, 32.0791, 30.9996

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.



53.9991, 49.9268, 42.2464



40.1439, 49.9268, 56.8112



54.9229, 49.9268, 63.8301

Square

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



40.1439, 49.9268, 56.8112



48.3017, 49.9268, 79.6087



55.6015, 49.9268, 51.9838



46.6162, 49.9268, 35.1116

Rectangle

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



40.1439, 49.9268, 56.8112



43.2660, 49.9268, 75.0285



55.6015, 49.9268, 51.9838



51.9037, 49.9268, 37.8882

Sweetspot

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



40.1453, 49.9288, 56.8123



86.6316, 95.7149, 106.0358



36.6644, 48.6990, 31.1353



18.2713, 20.3489, 22.5986



0.0000, 0.0000, 0.0000



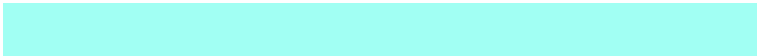
20.3446, 21.4041, 23.3091

Same Dimension

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



40.1453, 49.9288, 56.8123



66.5383, 85.5211, 97.6537



36.2045, 40.5989, 59.9633



10.8855, 12.0431, 13.3473



18.0254, 28.2225, 30.1422



0.8704, 1.3431, 1.5161

Inverse Universe

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



37.6114, 32.0791, 30.9996



61.4499, 49.6380, 45.7901



40.5949, 38.9991, 29.0558



10.6887, 10.6589, 11.3438



15.2812, 7.8620, 1.4247



0.7424, 0.3798, 0.1665

Previews

White Background



This preview shows how the XYZ color 40.1439, 49.9268, 56.8112 looks on a white background.

Color Contrast Check

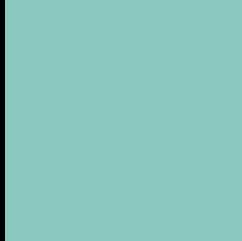
Large Text (above 18pt) WCAG AA × Fail

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 40.1439, 49.9268, 56.8112 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 40.1439, 49.9268, 56.8112

Background



This preview shows how black text looks on a background with the XYZ color 40.1439, 49.9268, 56.8112.

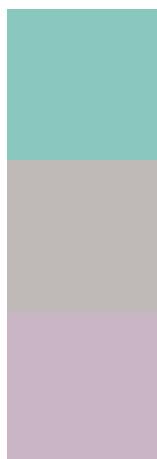


This preview shows how white text looks on a background with the XYZ color 40.1439, 49.9268,

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

40.1439, 49.9268, 56.8112

Protanopia

47.5920, 49.6131, 51.8677

Deuteranopia

50.4616, 49.4054, 58.5063



Tritanopia

42.7789, 49.9841, 69.6806

Trichromacy



Original Color

40.1439, 49.9268, 56.8112

Protanomaly

44.2883, 49.4647, 53.6678

Deuteranomaly

46.0809, 49.3265, 58.1312

Tritanomaly

41.6806, 49.8676, 64.5553

Monochromacy



Original Color

40.1439, 49.9268, 56.8112

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.7319, 46.8939, 52.1993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1439, 49.9268, 56.8112 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(137, 199, 191)` looks like.

```
.text, #text, p{  
    color:rgb(137, 199, 191)  
}
```

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(137, 199, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 199, 191) }
```

Border

The CSS property to change the border of an element to XYZ 40.1439, 49.9268, 56.8112 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(137, 199, 191) }
```


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

```
.border{ border-color:rgb(137, 199, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 199, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 199, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 199, 191);  
box-shadow:4px 4px 4px 4px rgb(137, 199,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1439, 49.9268, 56.8112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 199, 191) }
```

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

```
.background{ background-color: rgb(137,  
199, 191) }
```

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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