

Converting Colors

XYZ(39.1932, 49.8783, 52.3615)

Have a look what the booklet for
XYZ(39.1932, 49.8783, 52.3615)
contains.

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Color

**XYZ(39.1932, 49.8783,
52.3615)**

Conversions

Conversions Part 1

Format	Color
Hex	87C8B7
RGB	135, 200, 183
RGB Percent	53%, 78%, 72%
CMY	0.4706, 0.2157, 0.2823
CMYK	0.32, 0.00, 0.09, 0.22
HSL	164°, 37%, 66%
HSV	164°, 32%, 78%
XYZ	39.1932, 49.8783, 52.3615
YIQ	178.6270, -33.2830, -19.0670

Conversions

Conversions Part 2

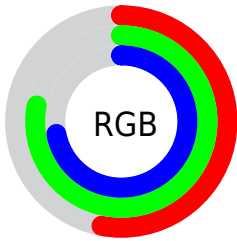
Format	Color
RYB	135, 172, 200
Decimal	8898743
CIELab	75.99, -24.37, 1.92
CIElCh	76, 24.445, 175.497
Yxy	49.8783, 0.2771, 0.3527
Android (android.graphics.Color)	4287088823 (0xFF87C8B7)
YUV	178.6270, 2.1559, -38.2609
Hunter-Lab	70.6246, -24.5342, 5.4792

Details

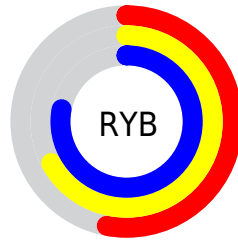
The XYZ color **39.1932, 49.8783, 52.3615** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1526, 31.8757, 33.8496**, and the grayscale version is **42.6520, 44.8732, 48.8669**.

A 20% lighter version of the original color is **72.5752, 88.6991, 94.9569**, and **17.7878, 23.9633, 24.8070** is the 20% darker color. If you saturate the color by 10%, you get **35.7385, 48.1604, 49.4108**, and if you desaturate by 10%, it is **43.2755, 51.9200, 55.4494**.

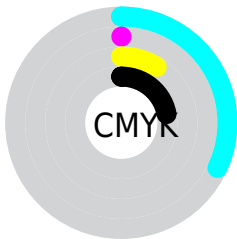
Distribution



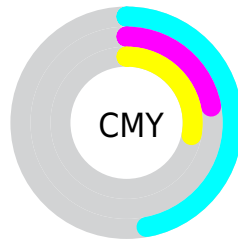
- Red (53%)
- Green (78%)
- Blue (72%)



- Red (53%)
- Yellow (67%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)





- Cyan (47%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.1932, 49.8783, 52.3615 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 39.1932, 49.8783, 52.3615 by changing the saturation by 10% instead.


 39.1932, 49.8783,
52.3615


 39.1932, 49.8783,
52.3615


333.9042,
386.1898, 412.8272


 27.0915, 35.3167,
36.9091

 73.2256, 89.9945,
95.0962

 17.7789, 23.9069,
24.8419


 95.8869, 116.3180,
123.2155

 10.8901, 15.2646,
15.7413


 122.7988,
147.3308, 156.3942

 6.0597, 9.0053,
9.1889

154.3266,
183.4174, 195.0508

 2.9224, 4.7446,
4.7661

190.8357,
224.9623, 239.6039

 1.1129, 2.0982,
2.0544

232.6914,

 0.0358, 0.6636,

272.3497, 290.4719

0.5884

280.2592,
325.9641, 348.0735

■ 0.0000, 0.0000,
0.0000

■ 39.1932, 49.8783,
52.3615

■ 39.1932, 49.8783,
52.3615

■ 35.7385, 48.1604,
49.4108

■ 43.2755, 51.9200,
55.4494

■ 32.8729, 46.7425,
46.5911

■ 48.0126, 54.2956,
58.6737

■ 30.5604, 45.6076,
43.9007


■ 53.4353, 57.0223,
62.0379


■ 28.7591, 44.7338,
41.3364


■ 59.5710, 60.1141,
65.5445


■ 27.4208, 44.0966,
38.8948


■ 66.4458, 63.5845,
69.1957


 26.4880, 43.6661,
36.5721

 74.0826, 67.4453,
72.9936

 25.9758, 43.4385,
34.9035

 74.7633, 67.7175,
76.5781

 75.4657, 67.9985,
80.2767

 76.1899, 68.2882,
84.0905

Harmonies

Analogous

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



40.5431, 49.8783, 41.2909



39.1932, 49.8783, 52.3615



39.9261, 49.8783, 65.8514

Triad

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



39.1932, 49.8783, 52.3615



51.2832, 49.8783, 80.2730



52.5498, 49.8783, 36.1324

Complementary

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



39.1932, 49.8783, 52.3615



38.1526, 31.8757, 33.8496

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.



55.7703, 49.8783, 44.2009



39.1932, 49.8783, 52.3615



55.0068, 49.8783, 69.8105

Square

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



39.1932, 49.8783, 52.3615



46.7229, 49.8783, 83.3853



56.6968, 49.8783, 56.3042



48.0995, 49.8783, 32.9252

Rectangle

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



39.1932, 49.8783, 52.3615



41.5238, 49.8783, 74.2591



56.6968, 49.8783, 56.3042



53.8230, 49.8783, 38.2962

Sweetspot

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



39.1946, 49.8803, 52.3626



85.2274, 95.0582, 102.9317



38.0404, 49.7675, 30.5238



17.9681, 20.2087, 21.8564



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.



39.1946, 49.8803, 52.3626



63.5244, 84.1995, 87.0233



37.7327, 43.9511, 61.1405



10.8237, 12.0184, 13.0216



16.5541, 27.6340, 22.3941



0.8124, 1.3199, 1.2106

Inverse Universe

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



38.1526, 31.8757, 33.8496



61.4515, 48.2455, 50.0930



39.1272, 35.8960, 27.7890



10.7459, 10.6817, 11.6450



15.5756, 7.9798, 2.9749



0.7683, 0.3902, 0.3030

Previews

White Background



This preview shows how the XYZ color 39.1932, 49.8783, 52.3615 looks on a white background.

Color Contrast Check

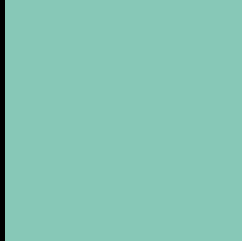
Large Text (above 18pt) WCAG AA × Fail

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 39.1932, 49.8783, 52.3615 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

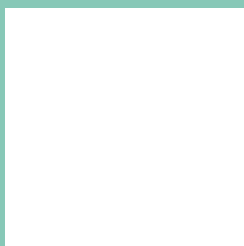
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.1932, 49.8783, 52.3615

Background



This preview shows how black text looks on a background with the XYZ color 39.1932, 49.8783, 52.3615.



This preview shows how white text looks on a background with the XYZ color 39.1932, 49.8783,

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

39.1932, 49.8783, 52.3615

Protanopia

47.2891, 49.5504, 47.6292

Deuteranopia

50.3954, 49.4730, 53.9068



Tritanopia

42.6081, 49.8960, 69.6726

Trichromacy



Original Color

39.1932, 49.8783, 52.3615

Protanomaly

43.6799, 49.2466, 49.3228

Deuteranomaly

45.4366, 49.0953, 53.5360

Tritanomaly

41.1563, 49.6385, 62.6704

Monochromacy



Original Color

39.1932, 49.8783, 52.3615

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.1128, 46.6225, 50.0122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1932, 49.8783, 52.3615 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(135, 200, 183)` looks like.

```
.text, #text, p{  
    color:rgb(135, 200, 183)  
}
```

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(135, 200, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 200, 183) }
```

Border

The CSS property to change the border of an element to XYZ 39.1932, 49.8783, 52.3615 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(135, 200, 183) }
```


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

```
.border{ border-color:rgb(135, 200, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 200, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 200, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 200, 183);  
box-shadow:4px 4px 4px 4px rgb(135, 200,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1932, 49.8783, 52.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 200, 183) }
```

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

```
.background{ background-color: rgb(135,  
200, 183) }
```

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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