

Converting Colors

XYZ(39.2780, 50.2945, 51.9568)

Have a look what the booklet for
XYZ(39.2780, 50.2945, 51.9568)
contains.

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Color

**XYZ(39.3218, 50.3016,
51.8927)**

Conversions

Conversions Part 1

Format	Color
Hex	87C9B6
RGB	135, 201, 182
RGB Percent	53%, 79%, 71%
CMY	0.4706, 0.2117, 0.2863
CMYK	0.33, 0.00, 0.09, 0.21
HSL	163°, 38%, 66%
HSV	163°, 33%, 79%
XYZ	39.3218, 50.3016, 51.8927
YIQ	179.1000, -33.2370, -19.9010

Conversions

Conversions Part 2

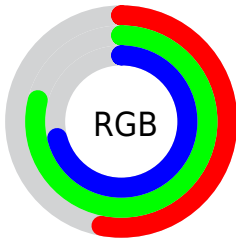
Format	Color
RYB	135, 174, 201
Decimal	8898998
CIELab	76.25, -25.08, 2.84
CIELCh	76, 25.242, 173.550
Yxy	50.3016, 0.2779, 0.3554
Android (android.graphics.Color)	4287089078 (0xFF87C9B6)
YUV	179.1000, 1.4297, -38.6757
Hunter-Lab	70.9236, -25.1515, 6.2658

Details

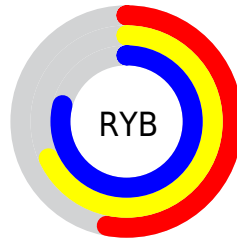
The XYZ color **39.3218, 50.3016, 51.8927** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.5858, 32.0798, 34.7321**, and the grayscale version is **42.9075, 45.1420, 49.1596**.

A 20% lighter version of the original color is **72.4278, 88.6402, 94.1808**, and **17.8758, 24.2463, 24.5067** is the 20% darker color. If you saturate the color by 10%, you get **35.8026, 48.5564, 48.6710**, and if you desaturate by 10%, it is **43.4791, 52.3755, 55.2755**.

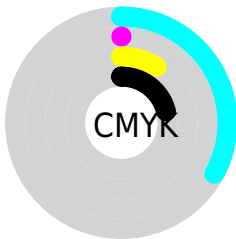
Distribution



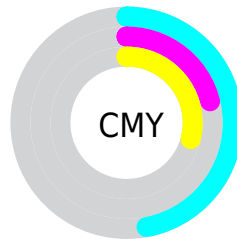
- Red (53%)
- Green (79%)
- Blue (71%)



- Red (53%)
- Yellow (68%)
- Blue (79%)



- Cyan (33%)
- Magenta (0%)
- Yellow (9%)
- Black (21%)





- Cyan (47%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3218, 50.3016, 51.8927 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 39.3218, 50.3016, 51.8927 by changing the saturation by 10% instead.


 39.3218, 50.3016,
51.8927


 39.3218, 50.3016,
51.8927

334.4404,
387.8442, 410.9674


 27.1920, 35.6531,
36.5379


 73.4206, 90.6216,
94.3979

 17.8548, 24.1664,
24.5569


 96.1203, 117.0618,
122.3855

 10.9449, 15.4571,
15.5313


 123.0740,
148.2015, 155.4210

 6.0968, 9.1408,
9.0423

154.6471,
184.4249, 193.9230

 2.9452, 4.8331,
4.6716

191.2050,
226.1165, 238.3102

 1.1249, 2.1497,
2.0006

233.1129,

 0.0458, 0.6924,

273.6606, 289.0009

0.5556

280.7362,
327.4418, 346.4138

■ 0.0000, 0.0000,
0.0000

■ 39.3218, 50.3016,
51.8927

■ 39.3218, 50.3016,
51.8927

■ 35.8026, 48.5564,
48.6710

■ 43.4791, 52.3755,
55.2755

■ 32.8825, 47.1159,
45.6038

■ 48.3023, 54.7886,
58.8189

■ 30.5247, 45.9625,
42.6888


■ 53.8226, 57.5580,
62.5269


■ 28.6866, 45.0742,
39.9225

■ 60.0681, 60.6984,
66.4024


■ 27.3191, 44.4259,
37.3010


■ 67.0651, 64.2232,
70.4480


 26.3633, 43.9871,
34.8197

 74.6160, 68.0305,
74.6559

 25.8556, 43.7623,
33.1240

 75.3810, 68.3365,
78.6839

 76.1725, 68.6531,
82.8524

 76.9910, 68.9805,
87.1625

Harmonies

Analogous

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



40.8542, 50.3016, 40.6929



39.3218, 50.3016, 51.8927



39.9401, 50.3016, 65.8628

Triad

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



39.3218, 50.3016, 51.8927



51.5410, 50.3016, 82.3191



53.4260, 50.3016, 36.3592

Complementary

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



39.3218, 50.3016, 51.8927



38.5858, 32.0798, 34.7321

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.



56.6516, 50.3016, 44.9982



39.3218, 50.3016, 51.8927



55.5140, 50.3016, 71.7681

Square

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



39.3218, 50.3016, 51.8927



46.7947, 50.3016, 84.9804



57.4398, 50.3016, 57.7515



48.8402, 50.3016, 32.7309

Rectangle

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



39.3218, 50.3016, 51.8927



41.5103, 50.3016, 74.7712



57.4398, 50.3016, 57.7515



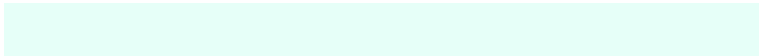
54.7172, 50.3016, 38.6972

Sweetspot

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



39.3232, 50.3036, 51.8938



85.1232, 95.0165, 102.3829



38.7406, 50.4735, 30.6229



17.9428, 20.1985, 21.7231



0.0000, 0.0000, 0.0000



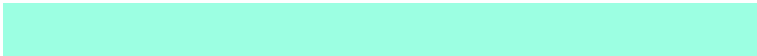
20.3446, 21.4041, 23.3091

Same Dimension

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



39.3232, 50.3036, 51.8938



63.1614, 84.0543, 85.1115



38.4764, 45.2509, 61.9671



10.8115, 12.0135, 12.9575



16.2976, 27.5314, 21.0434



0.8019, 1.3157, 1.1554

Inverse Universe

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



38.5858, 32.0798, 34.7321



61.7239, 48.3545, 51.5278



39.0834, 35.4107, 27.6975



10.7574, 10.6863, 11.7055



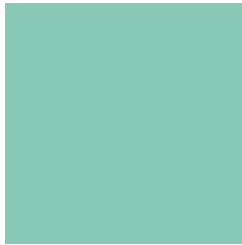
15.6581, 8.0128, 3.4092



0.7734, 0.3922, 0.3301

Previews

White Background



This preview shows how the XYZ color 39.3218, 50.3016, 51.8927 looks on a white background.

Color Contrast Check

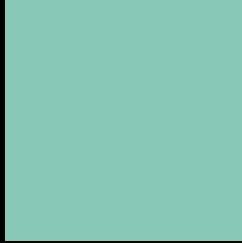
Large Text (above 18pt) WCAG AA × Fail

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 39.3218, 50.3016, 51.8927 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

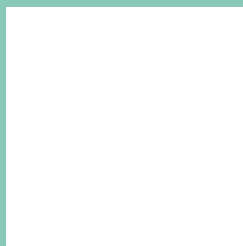
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.3218, 50.3016, 51.8927

Background



This preview shows how black text looks on a background with the XYZ color 39.3218, 50.3016, 51.8927.

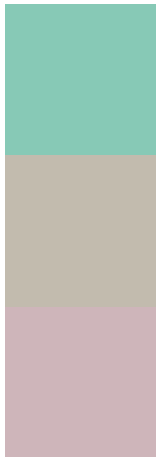


This preview shows how white text looks on a background with the XYZ color 39.3218, 50.3016,

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

39.3218, 50.3016, 51.8927

Protanopia

47.6584, 50.0660, 47.1962

Deuteranopia

50.8404, 49.7147, 53.3707



Tritanopia

43.0052, 50.4368, 69.7560

Trichromacy



Original Color

39.3218, 50.3016, 51.8927

Protanomaly

44.0190, 49.7578, 48.8791

Deuteranomaly

45.5626, 49.1725, 52.9888

Tritanomaly

41.3842, 50.0942, 62.7463

Monochromacy



Original Color

39.3218, 50.3016, 51.8927

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 39.3218, 50.3016, 51.8927 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, 201, 182)` looks like.

```
.text, #text, p{  
    color:rgb(135, 201, 182)  
}
```

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, 201, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 201, 182) }
```

Border

The CSS property to change the border of an element to XYZ 39.3218, 50.3016, 51.8927 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, 201, 182) }
```


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

```
.border{ border-color:rgb(135, 201, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 201, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 201, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 201, 182);  
box-shadow:4px 4px 4px 4px rgb(135, 201,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3218, 50.3016, 51.8927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 201, 182) }
```

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

```
.background{ background-color: rgb(135,  
201, 182) }
```

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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