

Converting Colors

XYZ(39.6800, 49.8475, 55.3117)

Have a look what the booklet for
XYZ(39.6800, 49.8475, 55.3117)
contains.

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Color

**XYZ(39.4922, 49.6286,
55.0748)**

Conversions

Conversions Part 1

Format	Color
Hex	87C7BC
RGB	135, 199, 188
RGB Percent	53%, 78%, 74%
CMY	0.4706, 0.2196, 0.2627
CMYK	0.32, 0.00, 0.06, 0.22
HSL	170°, 36%, 65%
HSV	170°, 32%, 78%
XYZ	39.4922, 49.6286, 55.0748
YIQ	178.6100, -34.6130, -16.9890

Conversions

Conversions Part 2

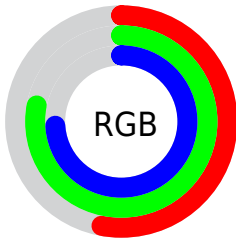
Format	Color
RYB	135, 170, 199
Decimal	8898492
CIELab	75.84, -22.76, -1.01
CIELCh	76, 22.785, 182.533
Yxy	49.6286, 0.2739, 0.3442
Android (android.graphics.Color)	4287088572 (0xFF87C7BC)
YUV	178.6100, 4.6293, -38.2460
Hunter-Lab	70.4476, -23.2179, 2.9613

Details

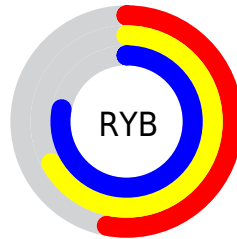
The XYZ color **39.4922, 49.6286, 55.0748** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.4072, 31.5467, 31.3136**, and the grayscale version is **42.6308, 44.8509, 48.8426**.

A 20% lighter version of the original color is **73.3243, 88.9988, 98.9018**, and **17.9782, 23.7939, 26.5668** is the 20% darker color. If you saturate the color by 10%, you get **36.2207, 47.9855, 53.0202**, and if you desaturate by 10%, it is **43.3738, 51.5878, 57.2058**.

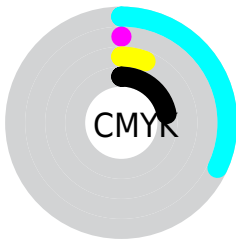
Distribution



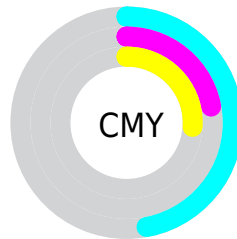
- Red (53%)
- Green (78%)
- Blue (74%)



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



- Cyan (32%)
- Magenta (0%)
- Yellow (6%)
- Black (22%)





- Cyan (47%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.4922, 49.6286, 55.0748 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 39.4922, 49.6286, 55.0748 by changing the saturation by 10% instead.


 39.4922, 49.6286,
55.0748


 39.4922, 49.6286,
55.0748


335.1498,
385.2118, 423.4853


 27.3253, 35.1184,
39.0626


 73.6789, 89.6244,
99.1228

 17.9555, 23.7541,
26.5002

 96.4294, 115.8787,
127.9957

 11.0176, 15.1513,
16.9691


 123.4385,
146.8165, 161.9925

 6.1460, 8.9256,
10.0508

155.0715,
182.8222, 201.5319

 2.9756, 4.6927,
5.3266

191.6937,
224.2802, 247.0323

 1.1409, 2.0681,
2.3781

233.6707,

 0.0589, 0.6466,

271.5748, 298.9123

0.7745

281.3676,
325.0906, 357.5905

■ 0.0000, 0.0000,
0.0000

■ 39.4922, 49.6286,
55.0748

■ 39.4922, 49.6286,
55.0748

■ 36.2207, 47.9855,
53.0202

■ 43.3738, 51.5878,
57.2058

■ 33.5215, 46.6351,
51.0366

■ 47.8920, 53.8729,
59.4114

■ 31.3592, 45.5605,
49.1232

■ 53.0770, 56.5007,
61.6945

■ 29.6929, 44.7406,
47.2777

■ 58.9559, 59.4852,
64.0566

■ 28.4754, 44.1511,
45.4975

■ 65.5541, 62.8394,
66.4993

■ 27.6503, 43.7629,
43.7798

■ 72.8958, 66.5760,
69.0238

■ 27.1971, 43.5577,
42.4729

■ 73.5415, 66.8595,
71.2825

■ 73.9776, 67.0339,
73.5791

■ 74.4229, 67.2121,
75.9242

Harmonies

Analogous

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



40.3062, 49.6286, 43.9762



39.4922, 49.6286, 55.0748



40.6313, 49.6286, 67.5782

Triad

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



39.4922, 49.6286, 55.0748



51.6879, 49.6286, 76.1861



51.0279, 49.6286, 35.8695

Complementary

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



39.4922, 49.6286, 55.0748



37.4072, 31.5467, 31.3136

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.



54.3762, 49.6286, 42.4377



39.4922, 49.6286, 55.0748



54.7729, 49.6286, 65.5262

Square

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



39.4922, 49.6286, 55.0748



47.5314, 49.6286, 80.8522



55.7846, 49.6286, 53.0125



46.8114, 49.6286, 33.9223

Rectangle

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



39.4922, 49.6286, 55.0748



42.3872, 49.6286, 74.7473



55.7846, 49.6286, 53.0125



52.3007, 49.6286, 37.5562

Sweetspot

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



39.4936, 49.6306, 55.0759



85.5850, 95.2012, 104.8149



36.7830, 48.7766, 30.3987



18.0550, 20.2434, 22.3142



0.0000, 0.0000, 0.0000



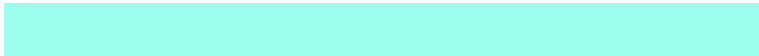
20.3446, 21.4041, 23.3091

Same Dimension

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



39.4936, 49.6306, 55.0759



64.8019, 84.7105, 93.7502



36.3687, 41.4095, 60.1112



10.8654, 12.0351, 13.2414



17.5161, 28.0188, 27.4601



0.8506, 1.3352, 1.4121

Inverse Universe

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



37.4072, 31.5467, 31.3136



60.5617, 47.8896, 45.4076



39.6938, 37.4245, 28.0541



10.7070, 10.6662, 11.4406



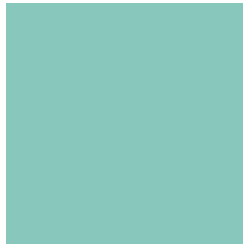
15.3555, 7.8918, 1.8160



0.7507, 0.3831, 0.2106

Previews

White Background



This preview shows how the XYZ color 39.4922, 49.6286, 55.0748 looks on a white background.

Color Contrast Check

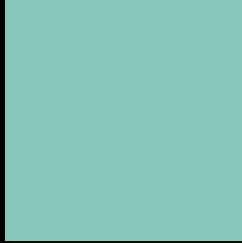
Large Text (above 18pt) WCAG AA × Fail

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 39.4922, 49.6286, 55.0748 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

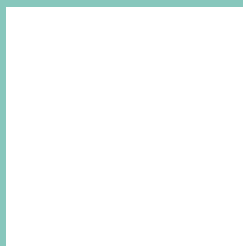
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4922, 49.6286, 55.0748

Background



This preview shows how black text looks on a background with the XYZ color 39.4922, 49.6286, 55.0748.



This preview shows how white text looks on a background with the XYZ color 39.4922, 49.6286,

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

39.4922, 49.6286, 55.0748

Protanopia

47.0730, 49.0696, 50.1704

Deuteranopia

50.1928, 49.0048, 56.6826



Tritanopia

42.3130, 49.7585, 69.0022

Trichromacy



Original Color

39.4922, 49.6286, 55.0748

Protanomaly

43.7553, 48.9037, 51.9330

Deuteranomaly

45.5344, 48.7672, 56.3033

Tritanomaly

41.2270, 49.6476, 63.9100

Monochromacy



Original Color

39.4922, 49.6286, 55.0748

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.1067, 46.2817, 51.0227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4922, 49.6286, 55.0748 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, 199, 188)` looks like.

```
.text, #text, p{  
    color:rgb(135, 199, 188)  
}
```

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, 199, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 199, 188) }
```

Border

The CSS property to change the border of an element to XYZ 39.4922, 49.6286, 55.0748 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, 199, 188) }
```


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

```
.border{ border-color:rgb(135, 199, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 199, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 199, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 199, 188);  
box-shadow:4px 4px 4px 4px rgb(135, 199,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4922, 49.6286, 55.0748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 199, 188) }
```

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

```
.background{ background-color: rgb(135,  
199, 188) }
```

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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