

Converting Colors

XYZ(39.7072, 49.7580, 52.6969)

Have a look what the booklet for
XYZ(39.7072, 49.7580, 52.6969)
contains.

XYZ(39.7226, 49.7965, 52.8655)	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(39.7226, 49.7965,
52.8655)**

Conversions

Conversions Part 1

Format	Color
Hex	8BC7B8
RGB	139, 199, 184
RGB Percent	55%, 78%, 72%
CMY	0.4549, 0.2196, 0.2784
CMYK	0.30, 0.00, 0.08, 0.22
HSL	165°, 35%, 66%
HSV	165°, 30%, 78%
XYZ	39.7226, 49.7965, 52.8655
YIQ	179.3500, -30.9450, -17.3850

Conversions

Conversions Part 2

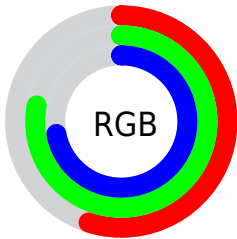
Format	Color
RYB	139, 173, 199
Decimal	9160632
CIELab	75.94, -22.48, 1.33
CIELCh	76, 22.524, 176.612
Yxy	49.7965, 0.2790, 0.3497
Android (android.graphics.Color)	4287350712 (0xFF8BC7B8)
YUV	179.3500, 2.2925, -35.3869
Hunter-Lab	70.5666, -23.0123, 4.9791

Details

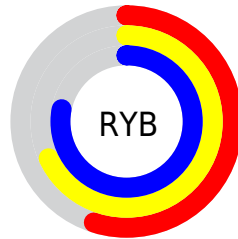
The XYZ color **39.7226, 49.7965, 52.8655** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.6202, 32.9417, 34.8967**, and the grayscale version is **43.0355, 45.2767, 49.3064**.

A 20% lighter version of the original color is **73.7363, 89.2806, 95.7846**, and **18.0599, 23.8679, 25.1278** is the 20% darker color. If you saturate the color by 10%, you get **36.1853, 48.0335, 50.0257**, and if you desaturate by 10%, it is **43.8859, 51.8827, 55.8325**.

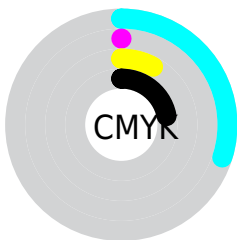
Distribution



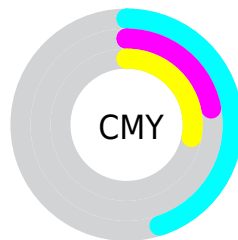
- Red (55%)
- Green (78%)
- Blue (72%)



- Red (55%)
- Yellow (68%)
- Blue (78%)



- Cyan (30%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)





- Cyan (45%)
- Magenta (22%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7226, 49.7965, 52.8655 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 39.7226, 49.7965, 52.8655 by changing the saturation by 10% instead.


 39.7226, 49.7965,
52.8655


 39.7226, 49.7965,
52.8655


336.1075,
385.8696, 414.8205


 27.5056, 35.2517,
37.3084

 74.0279, 89.8733,
95.8460

 18.0918, 23.8569,
25.1487


 96.8470, 116.1741,
124.1064

 11.1160, 15.2275,
15.9679


 123.9307,
147.1624, 157.4384

 6.2128, 8.9792,
9.3473

155.6445,
183.2225, 196.2605

 3.0168, 4.7276,
4.8685

192.3537,
224.7389, 240.9912

 1.1626, 2.0883,
2.1129

234.4237,

 0.0766, 0.6581,

272.0960, 292.0491

0.6234

282.2199,
325.6781, 349.8527

■ 0.0000, 0.0000,
0.0000

■ 39.7226, 49.7965,
52.8655

■ 39.7226, 49.7965,
52.8655

■ 36.1853, 48.0335,
50.0257

■ 43.8859, 51.8827,
55.8325

■ 33.2368, 46.5706,
47.3072

■ 48.7015, 54.3018,
58.9257

■ 30.8423, 45.3912,
44.7085


■ 54.1994, 57.0704,
62.1485


■ 28.9615, 44.4746,
42.2267


■ 60.4062, 60.2023,
65.5031


■ 27.5488, 43.7973,
39.8586


■ 67.3475, 63.7107,
68.9916


 26.5497, 43.3312,
37.6006

 73.7835, 66.9563,
72.5569

 25.8688, 43.0264,
35.4786

 74.4283, 67.2142,
75.9525

 75.0927, 67.4800,
79.4512

 75.7769, 67.7537,
83.0539

Harmonies

Analogous

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



40.9066, 49.7965, 42.4699



39.7226, 49.7965, 52.8655



40.4754, 49.7965, 65.2457

Triad

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



39.7226, 49.7965, 52.8655



51.0378, 49.7965, 77.6195



51.9114, 49.7965, 37.1213

Complementary

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



39.7226, 49.7965, 52.8655



38.6202, 32.9417, 34.8967

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.



54.9180, 49.7965, 44.5120



39.7226, 49.7965, 52.8655



54.3930, 49.7965, 67.9589

Square

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



39.7226, 49.7965, 52.8655



46.8548, 49.7965, 80.7185



55.8517, 49.7965, 55.5973



47.8086, 49.7965, 34.2662

Rectangle

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



39.7226, 49.7965, 52.8655



42.0001, 49.7965, 72.8097



55.8517, 49.7965, 55.5973



53.0929, 49.7965, 39.0987

Sweetspot

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



39.7240, 49.7985, 52.8666



86.1947, 95.5401, 103.7349



38.6027, 49.6816, 31.9818



18.1631, 20.3056, 22.0286



0.0000, 0.0000, 0.0000



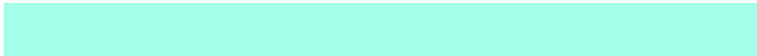
20.3446, 21.4041, 23.3091

Same Dimension

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



39.7240, 49.7985, 52.8666



65.4774, 85.1565, 89.3648



38.3067, 44.3122, 60.5693



10.8290, 12.0205, 13.0498



16.6701, 27.6804, 23.0051



0.8171, 1.3218, 1.2353

Inverse Universe

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



38.6202, 32.9417, 34.8967



63.2519, 51.0771, 53.0648



39.6062, 36.7901, 29.4406



10.7408, 10.6797, 11.6186



15.5421, 7.9664, 2.7985



0.7660, 0.3893, 0.2911

Previews

White Background



This preview shows how the XYZ color 39.7226, 49.7965, 52.8655 looks on a white background.

Color Contrast Check

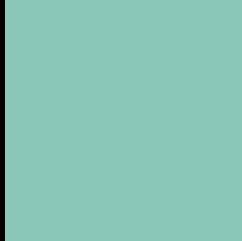
Large Text (above 18pt) WCAG AA × Fail

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 39.7226, 49.7965, 52.8655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

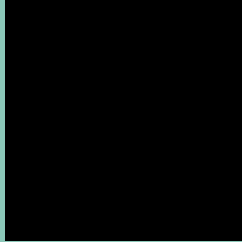
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7226, 49.7965, 52.8655

Background



This preview shows how black text looks on a background with the XYZ color 39.7226, 49.7965, 52.8655.



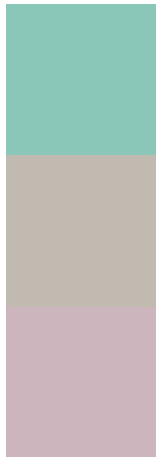
This preview shows how white text looks on a background with the XYZ color 39.7226, 49.7965,

52.8655.

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

39.7226, 49.7965, 52.8655

Protanopia

47.2329, 49.4986, 48.6597

Deuteranopia

50.5028, 49.5160, 54.4727



Tritanopia

42.9500, 49.7531, 68.9676

Trichromacy



Original Color

39.7226, 49.7965, 52.8655

Protanomaly

44.1026, 49.4411, 50.3987

Deuteranomaly

45.7753, 49.2576, 54.1088

Tritanomaly

41.6102, 49.5365, 62.6268

Monochromacy



Original Color

39.7226, 49.7965, 52.8655

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.2092, 46.3465, 50.4899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7226, 49.7965, 52.8655 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(139, 199, 184)` looks like.

```
.text, #text, p{  
    color:rgb(139, 199, 184)  
}
```

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(139, 199, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 199, 184) }
```

Border

The CSS property to change the border of an element to XYZ 39.7226, 49.7965, 52.8655 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(139, 199, 184) }
```


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

```
.border{ border-color:rgb(139, 199, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 199, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 199, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 199, 184);  
box-shadow:4px 4px 4px 4px rgb(139, 199,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7226, 49.7965, 52.8655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 199, 184) }
```

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

```
.background{ background-color: rgb(139,  
199, 184) }
```

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