

Converting Colors

XYZ(38.8279, 49.3629, 51.5766)

Have a look what the booklet for
XYZ(38.8279, 49.3629, 51.5766)
contains.

XYZ(38.8586, 49.3751, 51.7383)	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(38.8586, 49.3751,
51.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	87C7B6
RGB	135, 199, 182
RGB Percent	53%, 78%, 71%
CMY	0.4706, 0.2196, 0.2863
CMYK	0.32, 0.00, 0.09, 0.22
HSL	164°, 36%, 65%
HSV	164°, 32%, 78%
XYZ	38.8586, 49.3751, 51.7383
YIQ	177.9260, -32.6870, -18.8550

Conversions

Conversions Part 2

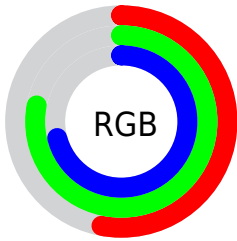
Format	Color
RYB	135, 172, 199
Decimal	8898486
CIELab	75.68, -24.09, 2.01
CIElCh	76, 24.178, 175.236
Yxy	49.3751, 0.2776, 0.3527
Android (android.graphics.Color)	4287088566 (0xFF87C7B6)
YUV	177.9260, 2.0085, -37.6461
Hunter-Lab	70.2674, -24.2557, 5.5316

Details

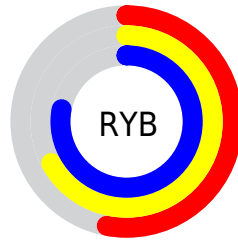
The XYZ color **38.8586, 49.3751, 51.7383** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.8863, 31.7384, 33.8370**, and the grayscale version is **42.2810, 44.4829, 48.4419**.

A 20% lighter version of the original color is **72.4278, 88.6402, 94.1808**, and **17.5675, 23.6296, 24.4039** is the 20% darker color. If you saturate the color by 10%, you get **35.4154, 47.6633, 48.7795**, and if you desaturate by 10%, it is **42.9237, 51.4077, 54.8360**.

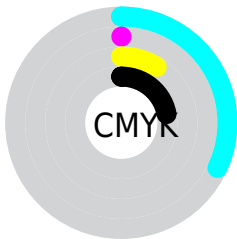
Distribution



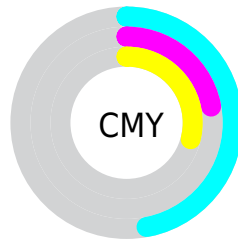
- Red (53%)
- Green (78%)
- Blue (71%)



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



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



- Cyan (47%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8586, 49.3751, 51.7383 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 38.8586, 49.3751, 51.7383 by changing the saturation by 10% instead.

■ 38.8586, 49.3751,
51.7383

■ 38.8586, 49.3751,
51.7383

332.5065,
384.2171, 410.3536

■ 26.8300, 34.9171,
36.4157

■ 72.7177, 89.2483,
94.1678

■ 17.5815, 23.5990,
24.4632

■ 95.2789, 115.4323,
122.1118

■ 10.7478, 15.0365,
15.4622

■ 122.0817,
146.2938, 155.1001

■ 5.9636, 8.8450,
8.9942

153.4914,
182.2172, 193.5511

■ 2.8634, 4.6402,
4.6406

189.8733,
223.5868, 237.8834

■ 1.0819, 2.0377,
1.9830

231.5929,

■ 0.0099, 0.6293,

270.7871, 288.5156

0.5448

279.0155,
324.2024, 345.8661

■ 0.0000, 0.0000,
0.0000

■ 38.8586, 49.3751,
51.7383

■ 38.8586, 49.3751,
51.7383

■ 35.4154, 47.6633,
48.7795

■ 42.9237, 51.4077,
54.8360

■ 32.5562, 46.2489,
45.9536

■ 47.6376, 53.7710,
58.0718

■ 30.2455, 45.1150,
43.2586

■ 53.0305, 56.4820,
61.4494

■ 28.4421, 44.2402,
40.6915

■ 59.1296, 59.5546,
64.9711

■ 27.0988, 43.6004,
38.2488

■ 65.9605, 63.0019,
68.6393

■ 26.1590, 43.1663,
35.9266

■ 73.5476, 66.8366,
72.4561

■ 25.6233, 42.9282,
34.1859

■ 74.4515, 67.2234,
76.0745

■ 75.1588, 67.5063,
79.7992

■ 75.8884, 67.7982,
83.6413

Harmonies

Analogous

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



40.2032, 49.3751, 40.8864



38.8586, 49.3751, 51.7383



39.5614, 49.3751, 64.9791

Triad

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



38.8586, 49.3751, 51.7383



50.6985, 49.3751, 79.3044



52.0142, 49.3751, 35.9356

Complementary

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



38.8586, 49.3751, 51.7383



37.8863, 31.7384, 33.8370

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.



55.1600, 49.3751, 43.9148



38.8586, 49.3751, 51.7383



54.3671, 49.3751, 69.0891

Square

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



38.8586, 49.3751, 51.7383



46.2178, 49.3751, 82.2813



56.0472, 49.3751, 55.8359



47.6485, 49.3751, 32.7347

Rectangle

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



38.8586, 49.3751, 51.7383



41.1217, 49.3751, 73.2467



56.0472, 49.3751, 55.8359



53.2601, 49.3751, 38.0795

Sweetspot

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



38.8600, 49.3771, 51.7394



85.2112, 95.0517, 102.8465



37.7595, 49.2800, 30.4444



17.9642, 20.2071, 21.8357



0.0000, 0.0000, 0.0000



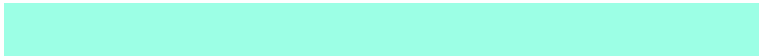
20.3446, 21.4041, 23.3091

Same Dimension

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



38.8600, 49.3771, 51.7394



63.4678, 84.1769, 86.7249



37.4563, 43.5849, 60.4736



10.8218, 12.0176, 13.0117



16.5135, 27.6178, 22.1806



0.8107, 1.3192, 1.2019

Inverse Universe

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



37.8863, 31.7384, 33.8370



61.4934, 48.2623, 50.3138



38.8237, 35.6842, 27.7641



10.7476, 10.6824, 11.6544



15.5878, 7.9847, 3.0394



0.7691, 0.3905, 0.3072

Previews

White Background



This preview shows how the XYZ color 38.8586, 49.3751, 51.7383 looks on a white background.

Color Contrast Check

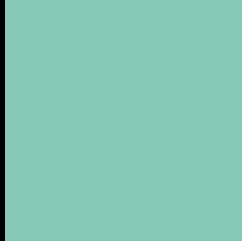
Large Text (above 18pt) WCAG AA × Fail

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 38.8586, 49.3751, 51.7383 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 38.8586, 49.3751, 51.7383

Background



This preview shows how black text looks on a background with the XYZ color 38.8586, 49.3751, 51.7383.

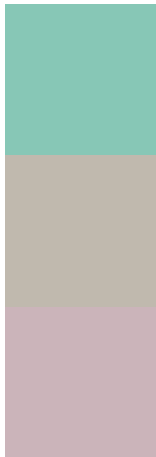


This preview shows how white text looks on a background with the XYZ color 38.8586, 49.3751,

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

38.8586, 49.3751, 51.7383

Protanopia

46.7272, 48.9604, 47.0319

Deuteranopia

49.8128, 48.8842, 53.2646



Tritanopia

42.1325, 49.3461, 68.2769

Trichromacy



Original Color

38.8586, 49.3751, 51.7383

Protanomaly

43.1439, 48.6592, 48.7132

Deuteranomaly

44.8874, 48.5084, 52.8962

Tritanomaly

40.8127, 49.1390, 61.9773

Monochromacy



Original Color

38.8586, 49.3751, 51.7383

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.5959, 46.0539, 49.3975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8586, 49.3751, 51.7383 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, 182)` looks like.

```
.text, #text, p{  
    color:rgb(135, 199, 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, 199, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 199, 182) }
```

Border

The CSS property to change the border of an element to XYZ 38.8586, 49.3751, 51.7383 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, 182) }
```


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

```
.border{ border-color:rgb(135, 199, 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, 199, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 199, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 199, 182); box-shadow:4px 4px 4px 4px rgb(135, 199, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8586, 49.3751, 51.7383 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, 182) }
```

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

```
.background{ background-color: rgb(135,  
199, 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](#).

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