

Converting Colors

XYZ(38.2300, 49.0139, 53.3374)

Have a look what the booklet for
XYZ(38.2300, 49.0139, 53.3374)
contains.

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Color

**XYZ(38.2336, 49.0168,
53.3450)**

Conversions

Conversions Part 1

Format	Color
Hex	81C7B9
RGB	129, 199, 185
RGB Percent	51%, 78%, 73%
CMY	0.4941, 0.2196, 0.2745
CMYK	0.35, 0.00, 0.07, 0.22
HSL	168°, 38%, 64%
HSV	168°, 35%, 78%
XYZ	38.2336, 49.0168, 53.3450
YIQ	176.4740, -37.2260, -19.1940

Conversions

Conversions Part 2

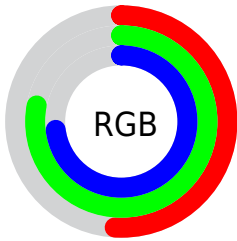
Format	Color
RYB	129, 168, 199
Decimal	8505273
CIELab	75.46, -25.14, 0.03
CIElCh	75, 25.136, 179.942
Yxy	49.0168, 0.2719, 0.3486
Android (android.graphics.Color)	4286695353 (0xFF81C7B9)
YUV	176.4740, 4.2033, -41.6347
Hunter-Lab	70.0120, -25.0420, 3.8329

Details

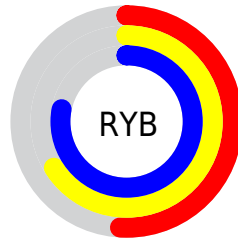
The XYZ color **38.2336, 49.0168, 53.3450** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.3630, 29.8270, 29.8290**, and the grayscale version is **41.5081, 43.6697, 47.5563**.

A 20% lighter version of the original color is **71.4043, 88.0612, 96.4532**, and **17.2707, 23.4532, 25.4465** is the 20% darker color. If you saturate the color by 10%, you get **35.0861, 47.4434, 51.0355**, and if you desaturate by 10%, it is **41.9843, 50.9024, 55.7463**.

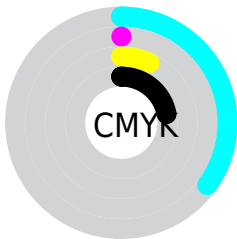
Distribution



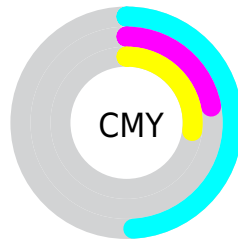
- Red (51%)
- Green (78%)
- Blue (73%)



- Red (51%)
- Yellow (66%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (7%)
- Black (22%)



- Cyan (49%)
- Magenta (22%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2336, 49.0168, 53.3450 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 38.2336, 49.0168, 53.3450 by changing the saturation by 10% instead.

■ 38.2336, 49.0168,
53.3450

■ 38.2336, 49.0168,
53.3450

329.8845,
382.8085, 416.7111

■ 26.3421, 34.6328,
37.6886

■ 71.7676, 88.7164,
96.5585

■ 17.2137, 23.3802,
25.4412

■ 94.1409, 114.8008,
124.9528

■ 10.4833, 14.8745,
16.1840

■ 120.7387,
145.5541, 158.4301

■ 5.7852, 8.7313,
9.4987

151.9265,
181.3608, 197.4089

■ 2.7543, 4.5664,
4.9667

188.0696,
222.6051, 242.3080

■ 1.0252, 1.9952,
2.1693

229.5335,

■ 0.0000, 0.6047,

269.6716, 293.5456

0.6566

276.6833,
322.9446, 351.5405

■ 0.0000, 0.0000,
0.0000

■ 38.2336, 49.0168,
53.3450

■ 38.2336, 49.0168,
53.3450

■ 35.0861, 47.4434,
51.0355

■ 41.9843, 50.9024,
55.7463

■ 32.5033, 46.1584,
48.8123

■ 46.3657, 53.1105,
58.2379

■ 30.4485, 45.1443,
46.6743

■ 51.4086, 55.6582,
60.8229

■ 28.8792, 44.3791,
44.6189

■ 57.1405, 58.5597,
63.5031

■ 27.7457, 43.8374,
42.6433

■ 63.5873, 61.8284,
66.2800

■ 26.9879, 43.4879,
40.7442

■ 70.7737, 65.4769,
69.1554

■ 26.6995, 43.3587,
39.8526

■ 73.6576, 66.9059,
71.8937

■ 74.1688, 67.1104,
74.5857

■ 74.6925, 67.3199,
77.3435

Harmonies

Analogous

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



39.2937, 49.0168, 41.5810



38.2336, 49.0168, 53.3450



39.2857, 49.0168, 67.1498

Triad

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



38.2336, 49.0168, 53.3450



51.1800, 49.0168, 78.6819



51.1967, 49.0168, 34.1887

Complementary

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



38.2336, 49.0168, 53.3450



36.3630, 29.8270, 29.8290

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.



54.7456, 49.0168, 41.6191



38.2336, 49.0168, 53.3450



54.7355, 49.0168, 67.2022

Square

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



38.2336, 49.0168, 53.3450



46.5799, 49.0168, 83.1772



56.0808, 49.0168, 53.3969



46.5981, 49.0168, 31.7011

Rectangle

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



38.2336, 49.0168, 53.3450



41.0860, 49.0168, 75.3854



56.0808, 49.0168, 53.3969



52.5627, 49.0168, 36.1230

Sweetspot

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



38.2350, 49.0188, 53.3461



84.5824, 94.7066, 103.7634



35.9181, 48.3782, 28.2144



17.8500, 20.1428, 22.0772



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.



38.2350, 49.0188, 53.3461



62.7452, 83.7228, 90.3766



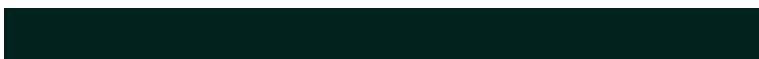
35.5170, 41.0994, 60.0962



10.8523, 12.0298, 13.1722



17.1994, 27.8921, 25.7922



0.8382, 1.3302, 1.3466

Inverse Universe

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



36.3630, 29.8270, 29.8290



59.0060, 45.2852, 43.3263



38.2383, 35.1707, 25.5428



10.7192, 10.6711, 11.5045



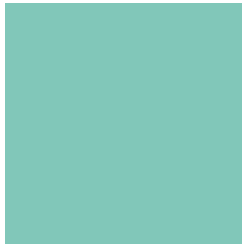
15.4148, 7.9155, 2.1283



0.7562, 0.3853, 0.2396

Previews

White Background



This preview shows how the XYZ color 38.2336, 49.0168, 53.3450 looks on a white background.

Color Contrast Check

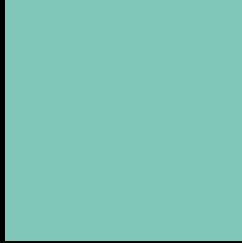
Large Text (above 18pt) WCAG AA × Fail

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 38.2336, 49.0168, 53.3450 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

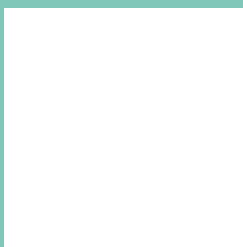
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2336, 49.0168, 53.3450

Background



This preview shows how black text looks on a background with the XYZ color 38.2336, 49.0168, 53.3450.

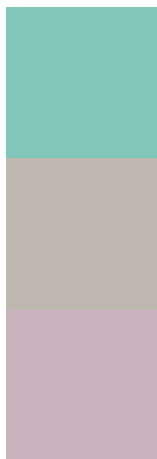


This preview shows how white text looks on a background with the XYZ color 38.2336, 49.0168,

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

38.2336, 49.0168, 53.3450

Protanopia

46.3115, 48.4025, 48.4967

Deuteranopia

49.3928, 48.3318, 54.8698



Tritanopia

41.2647, 48.8843, 68.8887

Trichromacy



Original Color

38.2336, 49.0168, 53.3450

Protanomaly

42.5843, 48.0153, 50.2035

Deuteranomaly

44.3152, 47.8626, 54.4797

Tritanomaly

40.0735, 48.7307, 63.1710

Monochromacy



Original Color

38.2336, 49.0168, 53.3450

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.5752, 44.9066, 49.2298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2336, 49.0168, 53.3450 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(129, 199, 185)` looks like.

```
.text, #text, p{  
    color:rgb(129, 199, 185)  
}
```

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(129, 199, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 199, 185) }
```

Border

The CSS property to change the border of an element to XYZ 38.2336, 49.0168, 53.3450 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(129, 199, 185) }
```


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

```
.border{ border-color:rgb(129, 199, 185) }
```

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

Here you see how a box with a 4 pixel rgb(129, 199, 185) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 199, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 199, 185);  
box-shadow:4px 4px 4px 4px rgb(129, 199,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2336, 49.0168, 53.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 199, 185) }
```

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

```
.background{ background-color: rgb(129,  
199, 185) }
```

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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