

Converting Colors

XYZ(51.4485, 61.0049, 64.4288)

Have a look what the booklet for
XYZ(51.4485, 61.0049, 64.4288)
contains.

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Color

**XYZ(51.3838, 60.9681,
64.3181)**

Conversions

Conversions Part 1

Format	Color
Hex	ABD6C9
RGB	171, 214, 201
RGB Percent	67%, 84%, 79%
CMY	0.3294, 0.1608, 0.2118
CMYK	0.20, 0.00, 0.06, 0.16
HSL	162°, 34%, 75%
HSV	162°, 20%, 84%
XYZ	51.3838, 60.9681, 64.3181
YIQ	199.6610, -21.4550, -13.1590

Conversions

Conversions Part 2

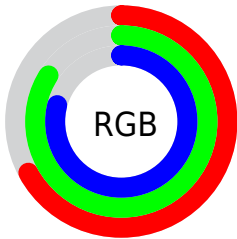
Format	Color
RYB	171, 196, 214
Decimal	11261641
CIELab	82.36, -16.66, 1.78
CIELCh	82, 16.750, 173.908
Yxy	60.9681, 0.2908, 0.3451
Android (android.graphics.Color)	4289451721 (0xFFABD6C9)
YUV	199.6610, 0.6601, -25.1357
Hunter-Lab	78.0821, -19.1774, 5.8188

Details

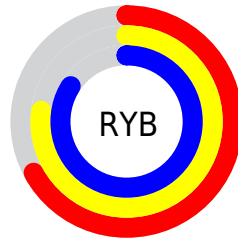
The XYZ color **51.3838, 60.9681, 64.3181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.9484, 46.8843, 51.7145**, and the grayscale version is **54.6982, 57.5467, 62.6684**.

A 20% lighter version of the original color is **85.4886, 95.0709, 108.4525**, and **25.1358, 30.7544, 32.2152** is the 20% darker color. If you saturate the color by 10%, you get **46.3495, 58.4606, 60.1930**, and if you desaturate by 10%, it is **57.2083, 63.8826, 68.6502**.

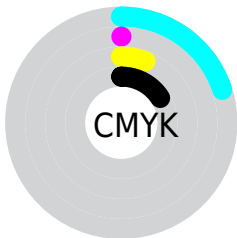
Distribution



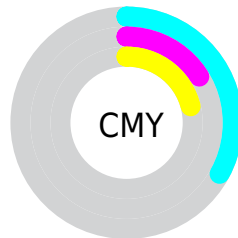
- Red (67%)
- Green (84%)
- Blue (79%)



- Red (67%)
- Yellow (77%)
- Blue (84%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (16%)



- Cyan (33%)
- Magenta (16%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3838, 60.9681, 64.3181 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 51.3838, 60.9681, 64.3181 by changing the saturation by 10% instead.

■ 51.3838, 60.9681,
64.3181

■ 51.3838, 60.9681,
64.3181

382.4162,
428.1570, 458.5764

■ 36.7364, 44.1994,
46.4605

■ 91.4015, 106.2327,
112.6728

■ 25.1762, 30.8273,
32.2581

117.5025,
135.4975, 144.0070

■ 16.3378, 20.4674,
21.2923

148.1520,
169.6964, 180.6705

■ 9.8559, 12.7352,
13.1445

183.7156,
209.2139, 223.0819

■ 5.3650, 7.2465,
7.3962

224.5584,
254.4343, 271.6596

■ 2.4999, 3.6167,
3.6289

271.0459,

■ 0.8952, 1.4616,

305.7420, 326.8222

1.4241

323.5434,
363.5214, 388.9883

■ 0.0000, 0.2614,
0.1604

■ 0.0000, 0.0000,
0.0000

■ 51.3838, 60.9681,
64.3181

■ 51.3838, 60.9681,
64.3181

■ 46.3495, 58.4606,
60.1930

■ 57.2083, 63.8826,
68.6502

■ 42.0636, 56.3336,
56.2671

■ 63.8522, 67.2140,
73.1887

■ 38.4882, 54.5692,
52.5377

■ 71.3491, 70.9815,
77.9386

■ 35.5799, 53.1452,
49.0008

■ 79.1370, 74.8951,
82.8754

■ 33.2903, 52.0366,
45.6519

■ 80.0466, 75.2589,
87.6656

■ 31.5644, 51.2152,
42.4862

■ 80.9902, 75.6364,
92.6344

■ 30.3369, 50.6473,
39.4984

■ 81.9681, 76.0275,
97.7838

■ 29.4960, 50.2747,
36.7065

■ 82.9806, 76.4325,
103.1155

■ 83.3377, 76.5753,
104.9959

Harmonies

Analogous

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



52.5737, 60.9681, 55.4578



51.3838, 60.9681, 64.3181



51.8936, 60.9681, 74.6786

Triad

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



51.3838, 60.9681, 64.3181



60.7765, 60.9681, 86.0385



62.0892, 60.9681, 51.7242

Complementary

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



51.3838, 60.9681, 64.3181



50.9484, 46.8843, 51.7145

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.



64.4567, 60.9681, 58.7273



51.3838, 60.9681, 64.3181



63.6773, 60.9681, 78.6584

Square

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



51.3838, 60.9681, 64.3181



57.2225, 60.9681, 87.9263



65.0495, 60.9681, 68.4935



58.6803, 60.9681, 48.6832

Rectangle

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



51.3838, 60.9681, 64.3181



53.1397, 60.9681, 80.9805



65.0495, 60.9681, 68.4935



63.0387, 60.9681, 53.6560

Sweetspot

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



51.3855, 60.9706, 64.3195



88.9074, 96.9184, 104.7712



51.3145, 61.3027, 47.6572



18.8926, 20.6757, 22.3306



0.0000, 0.0000, 0.0000



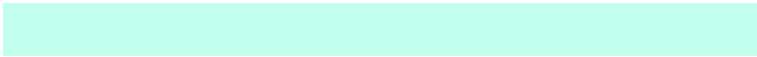
20.3446, 21.4041, 23.3091

Same Dimension

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



51.3855, 60.9706, 64.3195



73.1691, 89.0478, 93.0656



51.0336, 57.7142, 72.0714



12.6248, 14.0409, 15.1046



17.8757, 30.4056, 22.4390



1.1141, 1.8483, 1.5426

Inverse Universe

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



50.9484, 46.8843, 51.7145



72.4095, 64.5235, 71.1275



51.1810, 49.4316, 45.3729



12.5763, 12.4820, 13.7089



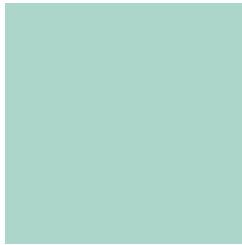
17.3742, 8.8860, 4.0084



1.0843, 0.5505, 0.4335

Previews

White Background



This preview shows how the XYZ color 51.3838, 60.9681, 64.3181 looks on a white background.

Color Contrast Check

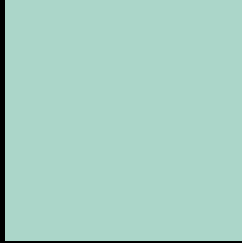
Large Text (above 18pt) WCAG AA × Fail

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 51.3838, 60.9681, 64.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

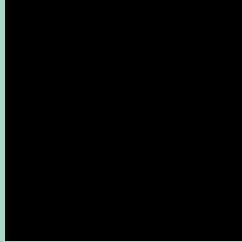
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

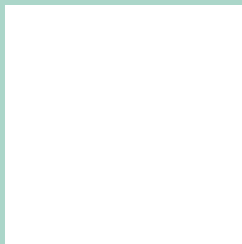
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.3838, 60.9681, 64.3181

Background



This preview shows how black text looks on a background with the XYZ color 51.3838, 60.9681, 64.3181.

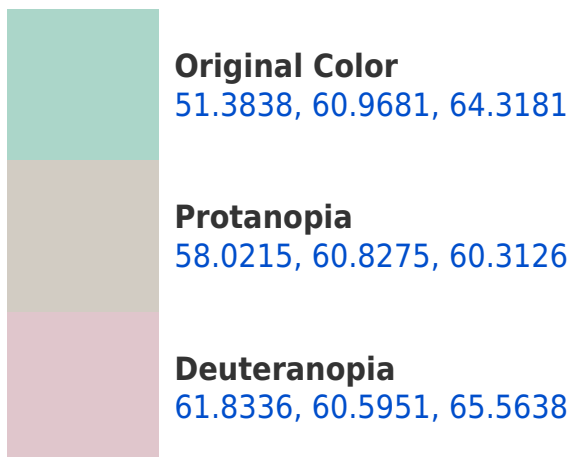


This preview shows how white text looks on a background with the XYZ color 51.3838, 60.9681,

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





Tritanopia

54.8162, 60.8693, 81.5329

Trichromacy



Original Color

51.3838, 60.9681, 64.3181

Protanomaly

55.3989, 60.8787, 61.6543

Deuteranomaly

57.5492, 60.4767, 65.1399

Tritanomaly

53.4047, 60.6492, 75.2214

Monochromacy



Original Color

51.3838, 60.9681, 64.3181

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

53.2429, 58.6516, 63.1583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3838, 60.9681, 64.3181 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(171, 214, 201)` looks like.

```
.text, #text, p{  
    color:rgb(171, 214, 201)  
}
```

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(171, 214, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 214, 201) }
```

Border

The CSS property to change the border of an element to XYZ 51.3838, 60.9681, 64.3181 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(171, 214, 201) }
```


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

```
.border{ border-color:rgb(171, 214, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 214, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 214, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 214, 201);  
box-shadow:4px 4px 4px 4px rgb(171, 214,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3838, 60.9681, 64.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 214, 201) }
```

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

```
.background{ background-color: rgb(171,  
214, 201) }
```

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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