

Converting Colors

XYZ(51.8706, 64.7306, 68.3760)

Have a look what the booklet for
XYZ(51.8706, 64.7306, 68.3760)
contains.

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Color

**XYZ(51.8263, 64.6025,
68.1305)**

Conversions

Conversions Part 1

Format	Color
Hex	9FDFCE
RGB	159, 223, 206
RGB Percent	62%, 87%, 81%
CMY	0.3765, 0.1255, 0.1922
CMYK	0.29, 0.00, 0.08, 0.13
HSL	164°, 50%, 75%
HSV	164°, 29%, 87%
XYZ	51.8263, 64.6025, 68.1305
YIQ	201.9260, -32.6870, -18.8550

Conversions

Conversions Part 2

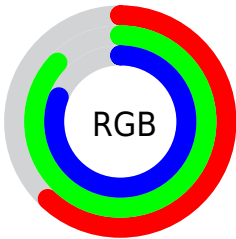
Format	Color
RYB	159, 196, 223
Decimal	10477518
CIELab	84.28, -23.75, 1.83
CIElCh	84, 23.822, 175.593
Yxy	64.6025, 0.2808, 0.3500
Android (android.graphics.Color)	4288667598 (0xFF99DFCE)
YUV	201.9260, 2.0085, -37.6461
Hunter-Lab	80.3757, -25.5605, 6.0058

Details

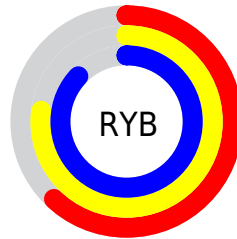
The XYZ color **51.8263, 64.6025, 68.1305** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.6682, 43.6205, 46.8259**, and the grayscale version is **56.0968, 59.0182, 64.2708**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **25.4958, 33.2755, 34.7848** is the 20% darker color. If you saturate the color by 10%, you get **47.0909, 62.2446, 64.2234**, and if you desaturate by 10%, it is **57.3903, 67.3878, 72.2207**.

Distribution



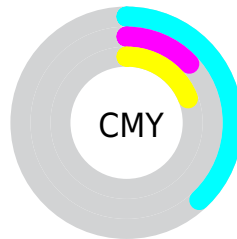
- Red (62%)
- Green (87%)
- Blue (81%)



- Red (62%)
- Yellow (77%)
- Blue (87%)



- Cyan (29%)
- Magenta (0%)
- Yellow (8%)
- Black (13%)



- Cyan (38%)
- Magenta (13%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8263, 64.6025, 68.1305 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 51.8263, 64.6025, 68.1305 by changing the saturation by 10% instead.

■ 51.8263, 64.6025,
68.1305

■ 51.8263, 64.6025,
68.1305

384.1006,
441.3622, 472.5689

■ 37.0904, 47.1388,
49.5366

■ 92.0508, 111.4782,
118.1948

■ 25.4514, 33.1454,
34.6767

■ 118.2700,
141.6590, 150.5022

■ 16.5442, 22.2379,
23.1324

149.0477,
176.8476, 188.2179

■ 10.0034, 14.0318,
14.4851

184.7492,
217.4285, 231.7604

■ 5.4635, 8.1428,
8.3162

225.7399,
263.7860, 281.5481

■ 2.5592, 4.1864,
4.2073

272.3851,

■ 0.9252, 1.7784,

316.3045, 337.9998

1.7397

325.0503,
375.3684, 401.5339

■ 0.0000, 0.4737,
0.3878

■ 0.0000, 0.0000,
0.0000

■ 51.8263, 64.6025,
68.1305

■ 51.8263, 64.6025,
68.1305

■ 47.0909, 62.2446,
64.2234

■ 57.3903, 67.3878,
72.2207

■ 43.1354, 60.2840,
60.4916

■ 63.8173, 70.6131,
76.4931


■ 39.9143, 58.6989,
56.9326


■ 71.1466, 74.3004,
80.9524


■ 37.3753, 57.4624,
53.5426


■ 79.4133, 78.4677,
85.6016


 35.4585, 56.5436,
50.3169


 82.7144, 80.0719,
90.1660


 34.0936, 55.9065,
47.2508


 83.5879, 80.4213,
94.7658

 33.1741, 55.4960,
44.3375

 84.4902, 80.7822,
99.5173

 33.0681, 55.4494,
43.9690

 85.4216, 81.1548,
104.4219

 85.6788, 81.2577,
105.7763

Harmonies

Analogous

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



53.4016, 64.6025, 55.1572



51.8263, 64.6025, 68.1305



52.6939, 64.6025, 83.6637

Triad

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



51.8263, 64.6025, 68.1305



65.8936, 64.6025, 99.9580



67.3201, 64.6025, 48.9758

Complementary

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



51.8263, 64.6025, 68.1305



50.6682, 43.6205, 46.8259

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.



71.0218, 64.6025, 58.5137



51.8263, 64.6025, 68.1305



70.1657, 64.6025, 88.0835

Square

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



51.8263, 64.6025, 68.1305



60.6259, 64.6025, 103.4962



72.0917, 64.6025, 72.5991



62.1862, 64.6025, 45.1513

Rectangle

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



51.8263, 64.6025, 68.1305



54.5690, 64.6025, 93.2244



72.0917, 64.6025, 72.5991



68.7845, 64.6025, 51.5471

Sweetspot

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



51.8281, 64.6051, 68.1320



86.1387, 95.5177, 103.4401



50.5672, 64.5192, 42.5902



18.1493, 20.3001, 21.9557



0.0000, 0.0000, 0.0000



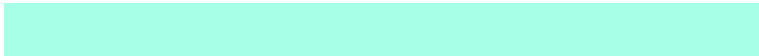
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8281, 64.6051, 68.1320



66.5333, 85.7021, 89.3552



50.1915, 57.8452, 78.3350



13.9530, 15.5069, 16.7877



19.4918, 32.6216, 26.1105



1.3875, 2.2757, 2.0017

Inverse Universe

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



50.6682, 43.6205, 46.8259



64.7387, 53.1524, 56.3297



51.8147, 48.4393, 39.4207



13.8560, 13.7600, 15.0119



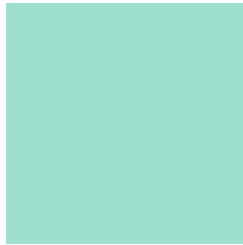
18.4011, 9.4274, 3.5120



1.3121, 0.6681, 0.4362

Previews

White Background



This preview shows how the XYZ color 51.8263, 64.6025, 68.1305 looks on a white background.

Color Contrast Check

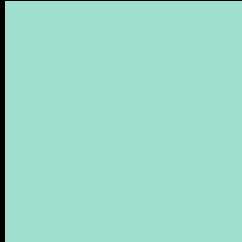
Large Text (above 18pt) WCAG AA × Fail

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 51.8263, 64.6025, 68.1305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

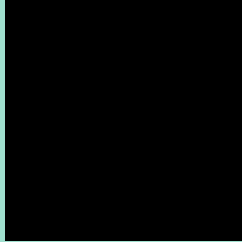
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

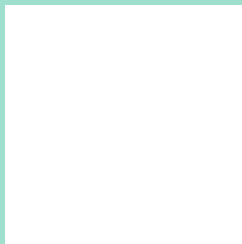
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8263, 64.6025, 68.1305

Background



This preview shows how black text looks on a background with the XYZ color 51.8263, 64.6025, 68.1305.

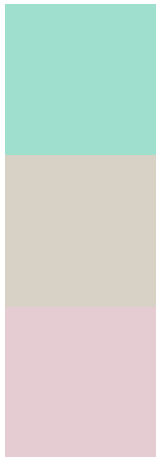


This preview shows how white text looks on a background with the XYZ color 51.8263, 64.6025,

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

51.8263, 64.6025, 68.1305

Protanopia

61.3124, 64.2771, 62.6013

Deuteranopia

65.3019, 64.0230, 69.8887



Tritanopia

55.9889, 64.7185, 88.8979

Trichromacy



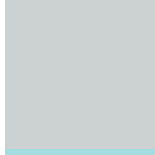
Original Color

51.8263, 64.6025, 68.1305



Protanomaly

57.0949, 63.9123, 64.5854



Deuteranomaly

59.4571, 63.5340, 69.4512



Tritanomaly

54.2881, 64.4092, 80.8051

Monochromacy



Original Color

51.8263, 64.6025, 68.1305



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

54.0758, 60.8441, 65.3939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8263, 64.6025, 68.1305 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(159, 223, 206)` looks like.

```
.text, #text, p{  
    color:rgb(159, 223, 206)  
}
```

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(159, 223, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 223, 206) }
```

Border

The CSS property to change the border of an element to XYZ 51.8263, 64.6025, 68.1305 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(159, 223, 206) }
```


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

```
.border{ border-color:rgb(159, 223, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 223, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 223, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 223, 206);  
box-shadow:4px 4px 4px 4px rgb(159, 223,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8263, 64.6025, 68.1305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 223, 206) }
```

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

```
.background{ background-color: rgb(159,  
223, 206) }
```

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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