

Converting Colors

XYZ(50.4972, 62.7948, 55.9597)

Have a look what the booklet for
XYZ(50.4972, 62.7948, 55.9597)
contains.

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Color

**XYZ(50.3429, 62.5330,
55.8711)**

Conversions

Conversions Part 1

Format	Color
Hex	A8DBBA
RGB	168, 219, 186
RGB Percent	66%, 86%, 73%
CMY	0.3412, 0.1412, 0.2706
CMYK	0.23, 0.00, 0.15, 0.14
HSL	141°, 41%, 76%
HSV	141°, 23%, 86%
XYZ	50.3429, 62.5330, 55.8711
YIQ	199.9890, -19.8030, -21.0750

Conversions

Conversions Part 2

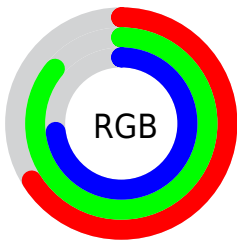
Format	Color
RYB	168, 206, 219
Decimal	11066298
CIELab	83.20, -23.02, 10.91
CIELCh	83, 25.476, 154.643
Yxy	62.5330, 0.2983, 0.3706
Android (android.graphics.Color)	4289256378 (0xFFA8DBBA)
YUV	199.9890, -6.8966, -28.0544
Hunter-Lab	79.0778, -24.7486, 13.4641

Details

The XYZ color **50.3429, 62.5330, 55.8711** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **53.7608, 47.2839, 61.5543**, and the grayscale version is **54.9442, 57.8056, 62.9502**.

A 20% lighter version of the original color is **82.5275, 93.7781, 97.7557**, and **24.5793, 31.8892, 27.0501** is the 20% darker color. If you saturate the color by 10%, you get **44.6349, 59.7577, 48.1263**, and if you desaturate by 10%, it is **56.9890, 65.7781, 64.4425**.

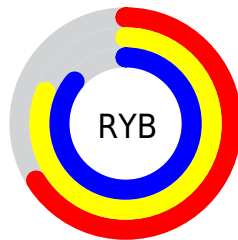
Distribution



Red (66%)

Green (86%)

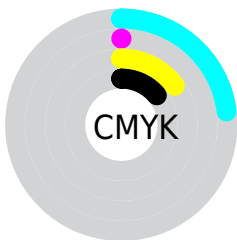
Blue (73%)



Red (66%)

Yellow (81%)

Blue (86%)

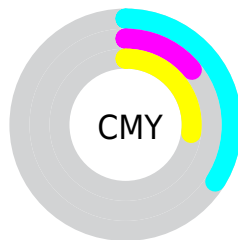


Cyan (23%)

Magenta (0%)

Yellow (15%)

Black (14%)



Cyan (34%)


Magenta (14%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3429, 62.5330, 55.8711 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 50.3429, 62.5330, 55.8711 by changing the saturation by 10% instead.

 50.3429, 62.5330,
55.8711


 50.3429, 62.5330,
55.8711


378.4352,
433.8727, 426.5802

 35.9048, 45.4635,
39.6963


 89.8715, 108.4955,
100.3000

 24.5305, 31.8227,
26.9898


 115.6928,
138.1573, 129.3912

 15.8545, 21.2261,
17.3332


146.0392,
172.7853, 163.6249

 9.5114, 13.2894,
10.3079

181.2760,
212.7640, 203.4196

 5.1360, 7.6281,
5.4953

221.7687,
258.4776, 249.1940

 2.3629, 3.8579,
2.4769

267.8825,

 0.8265, 1.5944,

310.3107, 301.3665

0.8279

319.9829,
368.6476, 360.3557

0.0000, 0.3538,
0.0000

0.0000, 0.0000,
0.0000

50.3429, 62.5330,
55.8711

50.3429, 62.5330,
55.8711

44.6349, 59.7577,
48.1263

56.9890, 65.7781,
64.4425

39.8162, 57.4223,
41.1793

64.6088, 69.5057,
73.8598

35.8413, 55.5057,
35.0055

73.2422, 73.7377,
84.1471

32.6584, 53.9817,
29.5776

82.7031, 78.3775,
95.3157

■ 30.2097, 52.8211,
24.8668

■ 84.6227, 79.1454,
105.4242

■ 28.4290, 51.9904,
20.8421

■ 27.2371, 51.4493,
17.4698

■ 26.6826, 51.2053,
15.5526

Harmonies

Analogous

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



53.5986, 62.5330, 45.9981



50.3429, 62.5330, 55.8711



49.4630, 62.5330, 70.5806

Triad

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



50.3429, 62.5330, 55.8711



60.2999, 62.5330, 103.1397



68.6117, 62.5330, 52.2148

Complementary

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



50.3429, 62.5330, 55.8711



53.7608, 47.2839, 61.5543

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.



70.6662, 62.5330, 65.6544



50.3429, 62.5330, 55.8711



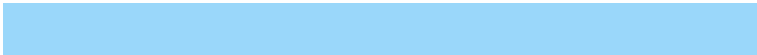
65.6820, 62.5330, 96.3128

Square

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



50.3429, 62.5330, 55.8711



55.0011, 62.5330, 99.4499



69.5624, 62.5330, 81.9669



64.1026, 62.5330, 44.1277

Rectangle

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



50.3429, 62.5330, 55.8711



50.2928, 62.5330, 81.5788



69.5624, 62.5330, 81.9669



69.6245, 62.5330, 56.1727

Sweetspot

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



50.3446, 62.5356, 55.8725



86.9808, 96.0486, 99.1054



56.5294, 65.9314, 46.7932



18.4757, 20.4890, 21.0380



0.0000, 0.0000, 0.0000



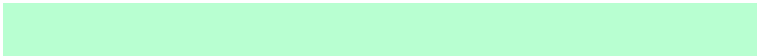
20.3446, 21.4041, 23.3091

Same Dimension

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



50.3446, 62.5356, 55.8725



66.9152, 86.2545, 73.3130



53.2838, 63.7113, 71.3501



13.0754, 14.6818, 14.8598



15.8680, 30.3798, 9.4703



1.0681, 1.9842, 0.8247

Inverse Universe

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



53.7608, 47.2839, 61.5543



72.5525, 61.0770, 82.6818



51.0198, 46.1875, 47.1201



13.4091, 13.1927, 15.4155



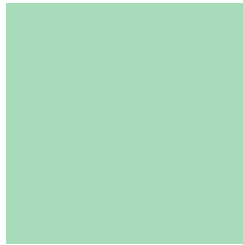
20.2581, 10.1043, 16.2712



1.3528, 0.6707, 1.2665

Previews

White Background



This preview shows how the XYZ color 50.3429, 62.5330, 55.8711 looks on a white background.

Color Contrast Check

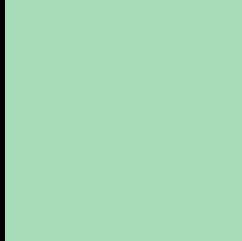
Large Text (above 18pt) WCAG AA × Fail

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 50.3429, 62.5330, 55.8711 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

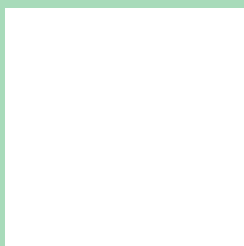
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.3429, 62.5330, 55.8711

Background



This preview shows how black text looks on a background with the XYZ color 50.3429, 62.5330, 55.8711.



This preview shows how white text looks on a background with the XYZ color 50.3429, 62.5330,

55.8711.

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

50.3429, 62.5330, 55.8711

Protanopia

58.8233, 62.1490, 51.5435

Deuteranopia

63.3220, 61.8882, 57.3234



Tritanopia

55.9817, 62.5318, 83.9822

Trichromacy



Original Color

50.3429, 62.5330, 55.8711

Protanomaly

55.2910, 62.1080, 53.3299

Deuteranomaly

57.5511, 61.3720, 56.9568

Tritanomaly

53.6716, 62.3402, 72.8224

Monochromacy



Original Color

50.3429, 62.5330, 55.8711

Achromatopsia

54.8990, 57.7580, 62.8985

Achromatomaly

52.9022, 59.2571, 60.2793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3429, 62.5330, 55.8711 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(168, 219, 186)` looks like.

```
.text, #text, p{  
    color:rgb(168, 219, 186)  
}
```

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(168, 219, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 219, 186) }
```

Border

The CSS property to change the border of an element to XYZ 50.3429, 62.5330, 55.8711 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(168, 219, 186) }
```


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

```
.border{ border-color:rgb(168, 219, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 219, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 219, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 219, 186);  
box-shadow:4px 4px 4px 4px rgb(168, 219,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3429, 62.5330, 55.8711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 219, 186) }
```

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

```
.background{ background-color: rgb(168,  
219, 186) }
```

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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