

Converting Colors

XYZ(50.9751, 63.7715, 54.8906)

Have a look what the booklet for
XYZ(50.9751, 63.7715, 54.8906)
contains.

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Color

**XYZ(50.8704, 63.6086,
54.9439)**

Conversions

Conversions Part 1

Format	Color
Hex	A9DDB8
RGB	169, 221, 184
RGB Percent	66%, 87%, 72%
CMY	0.3372, 0.1333, 0.2784
CMYK	0.24, 0.00, 0.17, 0.13
HSL	137°, 43%, 76%
HSV	137°, 24%, 87%
XYZ	50.8704, 63.6086, 54.9439
YIQ	201.2340, -19.1150, -22.5310

Conversions

Conversions Part 2

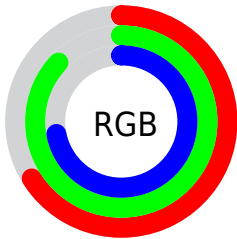
Format	Color
RYB	169, 209, 221
Decimal	11132344
CIELab	83.76, -24.05, 12.78
CIElCh	84, 27.233, 152.023
Yxy	63.6086, 0.3003, 0.3754
Android (android.graphics.Color)	4289322424 (0xFFA9DDB8)
YUV	201.2340, -8.4964, -28.2692
Hunter-Lab	79.7550, -25.7180, 14.9831

Details

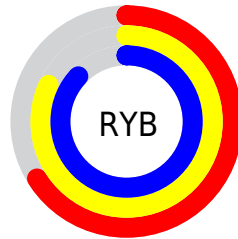
The XYZ color **50.8704, 63.6086, 54.9439** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.1496, 48.2059, 64.7934**, and the grayscale version is **55.7235, 58.6254, 63.8431**.

A 20% lighter version of the original color is **82.5395, 93.8188, 96.1966**, and **24.9354, 32.6241, 26.4556** is the 20% darker color. If you saturate the color by 10%, you get **44.9662, 60.7467, 46.5361**, and if you desaturate by 10%, it is **57.7627, 66.9623, 64.3573**.

Distribution



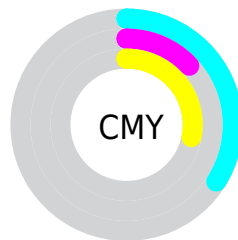
- Red (66%)
- Green (87%)
- Blue (72%)



- Red (66%)
- Yellow (82%)
- Blue (87%)



- Cyan (24%)
- Magenta (0%)
- Yellow (17%)
- Black (13%)



- Cyan (34%)
- Magenta (13%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.8704, 63.6086, 54.9439 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 50.8704, 63.6086, 54.9439 by changing the saturation by 10% instead.

■ 50.8704, 63.6086,
54.9439

■ 50.8704, 63.6086,
54.9439

380.4560,
437.7749, 422.9752

■ 36.3261, 46.3337,
38.9585

■ 90.6473, 110.0471,
98.9291

■ 24.8574, 32.5093,
26.4199

116.6106,
139.9795, 127.7660

■ 16.0990, 21.7508,
16.9094

147.1110,
174.8998, 161.7237

■ 9.6856, 13.6739,
10.0087

182.5138,
215.1925, 201.2210

■ 5.2516, 7.8942,
5.2990

223.1843,
261.2420, 246.6762

■ 2.4319, 4.0273,
2.3620


269.4879,


■ 0.8611, 1.6889,


313.4326, 298.5079


0.7656


321.7901,
372.1488, 357.1348


 0.0000, 0.4164,
0.0000


 0.0000, 0.0000,
0.0000


 50.8704, 63.6086,
54.9439


 50.8704, 63.6086,
54.9439


 44.9662, 60.7467,
46.5361


 57.7627, 66.9623,
64.3573


 39.9987, 58.3454,
39.0963

 65.6811, 70.8214,
74.8038

 35.9196, 56.3823,
32.5907

 74.6678, 75.2087,
86.3151

 32.6741, 54.8299,
26.9821

 83.8714, 79.6848,
98.8786

■ 30.2008, 53.6575,
22.2306

■ 85.1476, 80.1953,
105.5992

■ 28.4297, 52.8298,
18.2932

■ 27.2768, 52.3044,
15.1229

■ 26.7759, 52.0826,
13.4547

Harmonies

Analogous

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



54.5693, 63.6086, 44.9437



50.8704, 63.6086, 54.9439



49.6896, 63.6086, 70.4266

Triad

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



50.8704, 63.6086, 54.9439



60.8644, 63.6086, 107.6127



70.7294, 63.6086, 53.2383

Complementary

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



50.8704, 63.6086, 54.9439



55.1496, 48.2059, 64.7934

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.



72.6797, 63.6086, 68.1043



50.8704, 63.6086, 54.9439



66.7559, 63.6086, 101.0626

Square

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



50.8704, 63.6086, 54.9439



55.2278, 63.6086, 102.5638



71.1805, 63.6086, 85.8666



66.0085, 63.6086, 44.0790

Rectangle

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



50.8704, 63.6086, 54.9439



50.4223, 63.6086, 82.3416



71.1805, 63.6086, 85.8666



71.7443, 63.6086, 57.6411

Sweetspot

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



50.8721, 63.6113, 54.9453



86.8071, 95.9791, 98.1905



58.5480, 67.7405, 47.5264



18.4355, 20.4729, 20.8265



0.0000, 0.0000, 0.0000



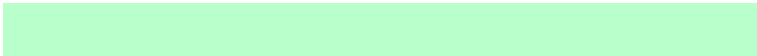
20.3446, 21.4041, 23.3091

Same Dimension

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



50.8721, 63.6113, 54.9453



66.3540, 86.0300, 70.3577



53.8204, 64.7906, 70.4705



13.0402, 14.6677, 14.6747



15.5965, 30.2712, 8.0404



1.0473, 1.9759, 0.7151

Inverse Universe

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



55.1496, 48.2059, 64.7934



73.2071, 61.3388, 86.1285



52.2741, 47.0557, 49.6514



13.4459, 13.2075, 15.6095



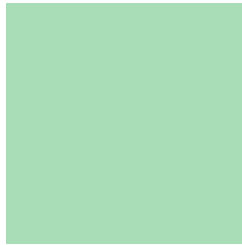
20.9214, 10.3696, 19.7639



1.3920, 0.6864, 1.4732

Previews

White Background



This preview shows how the XYZ color 50.8704, 63.6086, 54.9439 looks on a white background.

Color Contrast Check

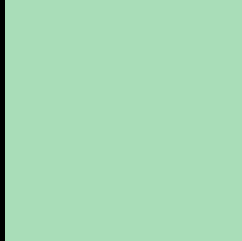
Large Text (above 18pt) WCAG AA × Fail

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 50.8704, 63.6086, 54.9439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

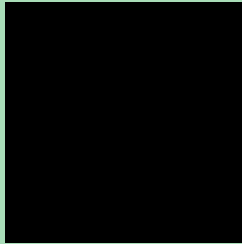
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8704, 63.6086, 54.9439

Background



This preview shows how black text looks on a background with the XYZ color 50.8704, 63.6086, 54.9439.



This preview shows how white text looks on a background with the XYZ color 50.8704, 63.6086,

54.9439.

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

50.8704, 63.6086, 54.9439

Protanopia

59.7051, 63.3461, 50.6752

Deuteranopia

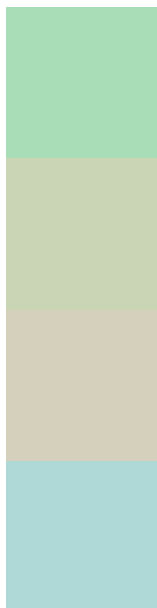
64.5558, 63.2370, 56.3805



Tritanopia

56.8305, 63.3276, 84.8295

Trichromacy



Original Color

50.8704, 63.6086, 54.9439

Protanomaly

56.1199, 63.3013, 52.4406

Deuteranomaly

58.6769, 62.6967, 56.0228

Tritanomaly

54.6296, 63.5947, 73.0140

Monochromacy



Original Color

50.8704, 63.6086, 54.9439

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.3925, 59.8707, 60.3719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8704, 63.6086, 54.9439 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(169, 221, 184)` looks like.

```
.text, #text, p{  
    color:rgb(169, 221, 184)  
}
```

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(169, 221, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 221, 184) }
```

Border

The CSS property to change the border of an element to XYZ 50.8704, 63.6086, 54.9439 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(169, 221, 184) }
```


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

```
.border{ border-color:rgb(169, 221, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 221, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 221, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 221, 184);  
box-shadow:4px 4px 4px 4px rgb(169, 221,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8704, 63.6086, 54.9439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 221, 184) }
```

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

```
.background{ background-color: rgb(169,  
221, 184) }
```

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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