

Converting Colors

XYZ(49.8873, 63.6174, 63.4654)

Have a look what the booklet for
XYZ(49.8873, 63.6174, 63.4654)
contains.

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Color

**XYZ(50.0229, 63.7689,
63.7050)**

Conversions

Conversions Part 1

Format	Color
Hex	9ADFC7
RGB	154, 223, 199
RGB Percent	60%, 87%, 78%
CMY	0.3961, 0.1255, 0.2196
CMYK	0.31, 0.00, 0.11, 0.13
HSL	159°, 52%, 74%
HSV	159°, 31%, 87%
XYZ	50.0229, 63.7689, 63.7050
YIQ	199.6330, -33.4200, -22.0920

Conversions

Conversions Part 2

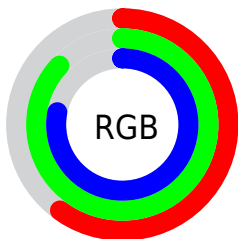
Format	Color
RYB	154, 196, 223
Decimal	10149831
CIELab	83.85, -26.68, 4.87
CIELCh	84, 27.120, 169.653
Yxy	63.7689, 0.2818, 0.3593
Android (android.graphics.Color)	4288339911 (0xFF9ADFC7)
YUV	199.6330, -0.3121, -40.0201
Hunter-Lab	79.8554, -27.9313, 8.6000

Details

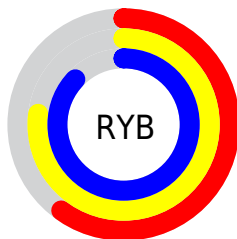
The XYZ color **50.0229, 63.7689, 63.7050** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.0251, 42.0151, 47.5951**, and the grayscale version is **54.6920, 57.5403, 62.6614**.

A 20% lighter version of the original color is **80.3883, 92.4416, 108.2138**, and **24.3690, 32.7589, 31.8268** is the 20% darker color. If you saturate the color by 10%, you get **45.2889, 61.4315, 58.9019**, and if you desaturate by 10%, it is **55.5949, 66.5363, 68.7898**.

Distribution



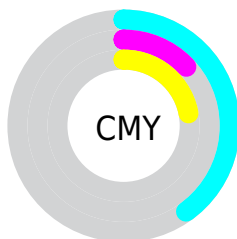
- Red (60%)
- Green (87%)
- Blue (78%)



- Red (60%)
- Yellow (77%)
- Blue (87%)



- Cyan (31%)
- Magenta (0%)
- Yellow (11%)
- Black (13%)





- Cyan (40%)
- Magenta (13%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0229, 63.7689, 63.7050 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 50.0229, 63.7689, 63.7050 by changing the saturation by 10% instead.


 50.0229, 63.7689,
63.7050


 50.0229, 63.7689,
63.7050

377.2060,
438.3546, 456.3018

 35.6495, 46.4635,
45.9671


 89.4004, 110.2780,
111.7814

 24.3324, 32.6118,
31.8714


 115.1352,
140.2506, 142.9569

 15.7065, 21.8292,
20.9993


145.3879,
175.2143, 179.4488

 9.4062, 13.7314,
12.9322

180.5237,
215.5537, 221.6755

 5.0663, 7.9341,
7.2517

220.9081,
261.6530, 270.0556

 2.3214, 4.0528,
3.5392

266.9063,

 0.8056, 1.7032,

313.8966, 325.0077

1.3761

318.8839,
372.6690, 386.9502

■ 0.0000, 0.4257,
0.1230

■ 0.0000, 0.0000,
0.0000

■ 50.0229, 63.7689,
63.7050

■ 50.0229, 63.7689,
63.7050

■ 45.2889, 61.4315,
58.9019

■ 55.5949, 66.5363,
68.7898

■ 41.3431, 59.4936,
54.3705

■ 62.0405, 69.7470,
74.1572

■ 38.1385, 57.9327,
50.1064

■ 69.3998, 73.4233,
79.8140

■ 35.6210, 56.7208,
46.1032

■ 77.7087, 77.5836,
85.7650

■ 33.7283, 55.8261,
42.3544

■ 83.0303, 80.1983,
91.8294

■ 32.3865, 55.2105,
38.8526

■ 84.1937, 80.6636,
97.9555

■ 31.5330, 54.8353,
35.8852

■ 85.4067, 81.1488,
104.3433

■ 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.



52.2904, 63.7689, 50.2817



50.0229, 63.7689, 63.7050



50.4475, 63.7689, 81.0654

Triad

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



50.0229, 63.7689, 63.7050



64.5464, 63.7689, 105.1487



68.3353, 63.7689, 47.3062

Complementary

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



50.0229, 63.7689, 63.7050



50.0251, 42.0151, 47.5951

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.



72.0541, 63.7689, 58.9712



50.0229, 63.7689, 63.7050



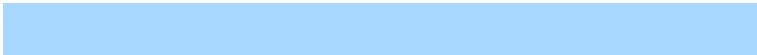
69.7693, 63.7689, 92.9189

Square

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



50.0229, 63.7689, 63.7050



58.5757, 63.7689, 106.9765



72.5954, 63.7689, 75.4955



62.6917, 63.7689, 41.8963

Rectangle

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



50.0229, 63.7689, 63.7050



52.2097, 63.7689, 92.5501



72.5954, 63.7689, 75.4955



69.8672, 63.7689, 50.5273

Sweetspot

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



50.0247, 63.7715, 63.7064



85.8460, 95.4006, 101.8989



50.6170, 64.5939, 40.3729



18.0769, 20.2711, 21.5748



0.0000, 0.0000, 0.0000



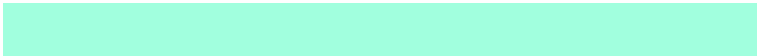
20.3446, 21.4041, 23.3091

Same Dimension

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



50.0247, 63.7715, 63.7064



63.5965, 84.3443, 82.1621



50.3540, 59.6128, 78.6676



13.9035, 15.4871, 16.5269



18.5954, 32.2630, 21.3902



1.3307, 2.2530, 1.7027

Inverse Universe

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



50.0251, 42.0151, 47.5951



63.6019, 50.4988, 57.1224



49.6043, 44.6991, 36.5862



13.9031, 13.7789, 15.2599



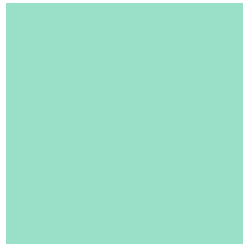
18.7410, 9.5634, 5.3020



1.3403, 0.6794, 0.5848

Previews

White Background



This preview shows how the XYZ color 50.0229, 63.7689, 63.7050 looks on a white background.

Color Contrast Check

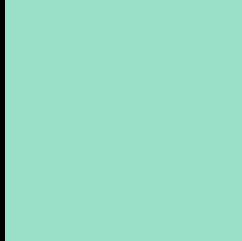
Large Text (above 18pt) WCAG AA × Fail

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 50.0229, 63.7689, 63.7050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

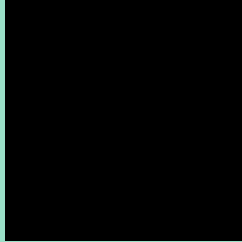
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

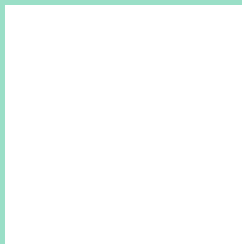
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.0229, 63.7689, 63.7050

Background



This preview shows how black text looks on a background with the XYZ color 50.0229, 63.7689, 63.7050.



This preview shows how white text looks on a background with the XYZ color 50.0229, 63.7689,

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

50.0229, 63.7689, 63.7050

Protanopia

60.0357, 62.9862, 58.2835

Deuteranopia

64.4189, 62.9559, 65.8832



Tritanopia

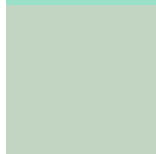
54.9671, 63.8223, 88.0191

Trichromacy



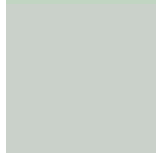
Original Color

50.0229, 63.7689, 63.7050



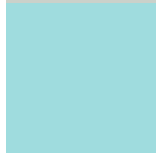
Protanomaly

55.5242, 62.8210, 60.2382



Deuteranomaly

57.8183, 62.4218, 64.8784



Tritanomaly

53.0761, 63.8313, 78.6305

Monochromacy



Original Color

50.0229, 63.7689, 63.7050



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.5096, 59.3492, 63.3316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0229, 63.7689, 63.7050 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(154, 223, 199)` looks like.

```
.text, #text, p{  
    color:rgb(154, 223, 199)  
}
```

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(154, 223, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 223, 199) }
```

Border

The CSS property to change the border of an element to XYZ 50.0229, 63.7689, 63.7050 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(154, 223, 199) }
```


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

```
.border{ border-color:rgb(154, 223, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 223, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 223, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 223, 199);  
box-shadow:4px 4px 4px 4px rgb(154, 223,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0229, 63.7689, 63.7050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 223, 199) }
```

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

```
.background{ background-color: rgb(154,  
223, 199) }
```

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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