

Converting Colors

XYZ(50.0871, 63.4990, 60.3916)

Have a look what the booklet for
XYZ(50.0871, 63.4990, 60.3916)
contains.

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Color

**XYZ(50.1570, 63.5085,
60.6538)**

Conversions

Conversions Part 1

Format	Color
Hex	9FDEC2
RGB	159, 222, 194
RGB Percent	62%, 87%, 76%
CMY	0.3765, 0.1294, 0.2392
CMYK	0.28, 0.00, 0.13, 0.13
HSL	153°, 49%, 75%
HSV	153°, 28%, 87%
XYZ	50.1570, 63.5085, 60.6538
YIQ	199.9710, -28.5600, -22.0640

Conversions

Conversions Part 2

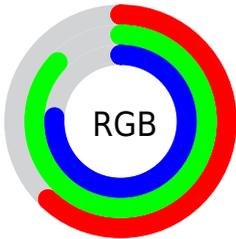
Format	Color
RYB	159, 200, 222
Decimal	10477250
CIELab	83.71, -25.73, 7.35
CIELCh	84, 26.761, 164.057
Yxy	63.5085, 0.2877, 0.3643
Android (android.graphics.Color)	4288667330 (0xFF9FDEC2)
YUV	199.9710, -2.9437, -35.9316
Hunter-Lab	79.6922, -27.1164, 10.6589

Details

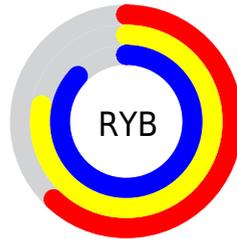
The XYZ color **50.1570, 63.5085, 60.6538** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.4942, 43.9154, 52.7789**, and the grayscale version is **54.9134, 57.7732, 62.9150**.

A 20% lighter version of the original color is **81.0397, 92.8692, 104.0968**, and **24.4962, 32.5951, 29.8113** is the 20% darker color. If you saturate the color by 10%, you get **45.0723, 61.0128, 54.8224**, and if you desaturate by 10%, it is **56.1095, 66.4465, 66.9127**.

Distribution



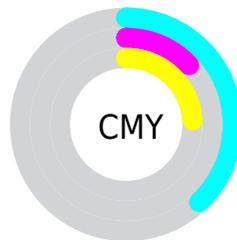
- Red (62%)
- Green (87%)
- Blue (76%)



- Red (62%)
- Yellow (78%)
- Blue (87%)



- Cyan (28%)
- Magenta (0%)
- Yellow (13%)
- Black (13%)



- Cyan (38%)
- Magenta (13%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1570, 63.5085, 60.6538 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 50.1570, 63.5085, 60.6538 by changing the saturation by 10% instead.

 50.1570, 63.5085,
60.6538

 50.1570, 63.5085,
60.6538

377.7214,
437.4126, 444.8749

 35.7565, 46.2527,
43.5171

 89.5979, 109.9028,
107.3301

 24.4154, 32.4453,
29.9566

 115.3689,
139.8101, 137.7069

 15.7685, 21.7018,
19.5539

145.6609,
174.7033, 173.3340

 9.4503, 13.6380,
11.8903

180.8391,
214.9669, 214.6301

 5.0955, 7.8693,
6.5474

221.2689,
260.9852, 262.0137

 2.3387, 4.0114,
3.1066

267.3156,

 0.8144, 1.6800,

313.1427, 315.9033

1.1493

319.3447,
371.8237, 376.7175

■ 0.0000, 0.4106,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.1570, 63.5085,
60.6538

■ 50.1570, 63.5085,
60.6538

■ 45.0723, 61.0128,
54.8224

■ 56.1095, 66.4465,
66.9127

■ 40.8064, 58.9291,
49.4047

■ 62.9650, 69.8396,
73.6039

■ 37.3132, 57.2356,
44.3924

■ 70.7632, 73.7099,
80.7376

■ 34.5399, 55.9053,
39.7751

■ 79.5398, 78.0757,
88.3223

 32.4264, 54.9072,
35.5418

 83.5913, 79.9964,
96.0977

 30.9022, 54.2054,
31.6809

 85.1249, 80.6098,
104.1736

 29.8647, 53.7469,
28.1787

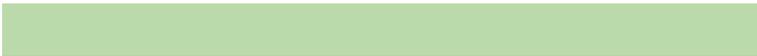
 85.4124, 80.7248,
105.6875

 29.7183, 53.6832,
27.6430

Harmonies

Analogous

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



52.8566, 63.5085, 48.4422



50.1570, 63.5085, 60.6538



50.0722, 63.5085, 77.2941

Triad

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



50.1570, 63.5085, 60.6538



63.1434, 63.5085, 105.4444



68.8342, 63.5085, 49.0371

Complementary

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



50.1570, 63.5085, 60.6538



51.4942, 43.9154, 52.7789

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.



71.9750, 63.5085, 61.5990



50.1570, 63.5085, 60.6538



68.5483, 63.5085, 95.0501

Square

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



50.1570, 63.5085, 60.6538



57.3184, 63.5085, 105.0805



71.8671, 63.5085, 78.4046



63.5133, 63.5085, 42.5148

Rectangle

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



50.1570, 63.5085, 60.6538



51.4948, 63.5085, 88.8573



71.8671, 63.5085, 78.4046



70.1948, 63.5085, 52.5958

Sweetspot

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



50.1588, 63.5111, 60.6552



85.5058, 95.2645, 100.1070



52.9607, 65.3575, 42.6259



17.9930, 20.2375, 21.1328



0.0000, 0.0000, 0.0000



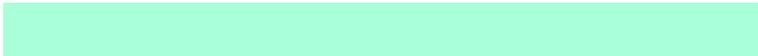
20.3446, 21.4041, 23.3091

Same Dimension

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



50.1588, 63.5111, 60.6552



64.4272, 84.8597, 78.2649



52.7774, 63.2323, 78.5336



13.8459, 15.4641, 16.2239



17.7081, 31.9081, 16.7179



1.2723, 2.2296, 1.3951

Inverse Universe

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



51.4942, 43.9154, 52.7789



66.5405, 53.8731, 65.8176



49.3309, 43.9280, 38.6809



13.9591, 13.8013, 15.5548



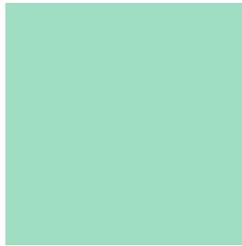
19.2757, 9.7773, 8.1175



1.3806, 0.6955, 0.7972

Previews

White Background



This preview shows how the XYZ color 50.1570, 63.5085, 60.6538 looks on a white background.

Color Contrast Check

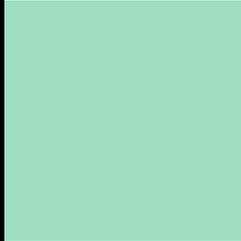
Large Text (above 18pt) WCAG AA × Fail

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 50.1570, 63.5085, 60.6538 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

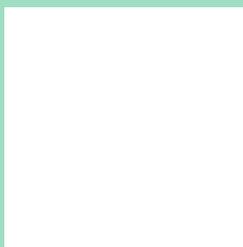
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1570, 63.5085, 60.6538

Background



This preview shows how black text looks on a background with the XYZ color 50.1570, 63.5085, 60.6538.



This preview shows how white text looks on a background with the XYZ color 50.1570, 63.5085,

60.6538.

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**

50.1570, 63.5085, 60.6538

Protanopia

59.7910, 62.9225, 55.4483

Deuteranopia

64.0347, 62.8394, 62.1803



Tritanopia

55.3435, 63.2677, 87.1369

Trichromacy



Original Color

50.1570, 63.5085, 60.6538



Protanomaly

55.4937, 62.4969, 57.2824



Deuteranomaly

58.0553, 62.6113, 61.8487



Tritanomaly

53.1674, 63.1498, 76.4047

Monochromacy



Original Color

50.1570, 63.5085, 60.6538



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

52.7565, 59.5033, 62.1308

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1570, 63.5085, 60.6538 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, 222, 194)` looks like.

```
.text, #text, p{  
    color:rgb(159, 222, 194)  
}
```

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, 222, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 222, 194) }
```

Border

The CSS property to change the border of an element to XYZ 50.1570, 63.5085, 60.6538 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, 222, 194) }
```

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

```
.border{ border-color:rgb(159, 222, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 222, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 222, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 222, 194);  
box-shadow:4px 4px 4px 4px rgb(159, 222,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1570, 63.5085, 60.6538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 222, 194) }
```

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

```
.background{ background-color: rgb(159,  
222, 194) }
```

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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