

# Converting Colors

XYZ(51.0367, 63.2600, 56.9823)

Have a look what the booklet for  
XYZ(51.0367, 63.2600, 56.9823)  
contains.

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# Color

**XYZ(51.0325, 63.2523,  
57.0962)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9DCBC
RGB	169, 220, 188
RGB Percent	66%, 86%, 74%
CMY	0.3372, 0.1372, 0.2627
CMYK	0.23, 0.00, 0.15, 0.14
HSL	142°, 42%, 76%
HSV	142°, 23%, 86%
XYZ	51.0325, 63.2523, 57.0962
YIQ	201.1030, -20.1240, -20.7640

# Conversions

## Conversions Part 2

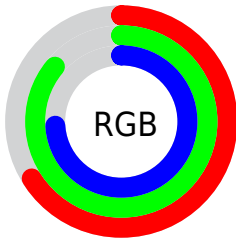
<b>Format</b>	<b>Color</b>
<b>RYB</b>	169, 206, 220
Decimal	11132092
CIELab	83.57, -22.82, 10.40
CIElCh	84, 25.075, 155.492
Yxy	63.2523, 0.2978, 0.3691
Android (android.graphics.Color)	4289322172 (0xFFA9DCBC)
YUV	201.1030, -6.4598, -28.1543
Hunter-Lab	79.5313, -24.6425, 13.1071

# Details

The XYZ color **51.0325, 63.2523, 57.0962** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.2480, 47.8101, 61.6301**, and the grayscale version is **55.6304, 58.5275, 63.7364**.

A 20% lighter version of the original color is **83.1405, 94.0592, 99.3612**, and **25.0308, 32.3725, 27.8509** is the 20% darker color. If you saturate the color by 10%, you get **45.2865, 60.4557, 49.4275**, and if you desaturate by 10%, it is **57.7185, 66.5206, 65.5547**.

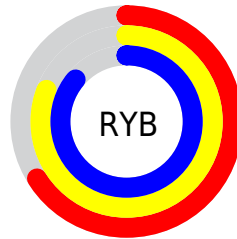
# Distribution



Red (66%)

Green (86%)

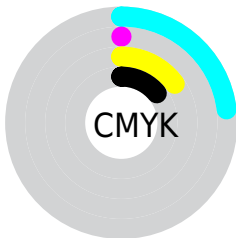
Blue (74%)



Red (66%)

Yellow (81%)

Blue (86%)

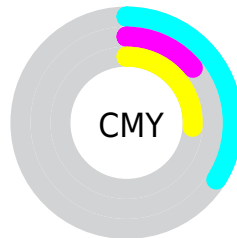


Cyan (23%)

Magenta (0%)

Yellow (15%)

Black (14%)



Cyan (34%)

Magenta (14%)

Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.0325, 63.2523, 57.0962 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 51.0325, 63.2523, 57.0962 by changing the saturation by 10% instead.



■ 51.0325, 63.2523,  
57.0962

■ 51.0325, 63.2523,  
57.0962

381.0756,  
436.4846, 431.3135

■ 36.4556, 46.0453,  
40.6726

■ 90.8855, 109.5334,  
102.1073

■ 24.9580, 32.2816,  
27.7456

116.8924,  
139.3764, 131.5318

■ 16.1743, 21.5767,  
17.8966

147.4399,  
174.2001, 166.1271

■ 9.7392, 13.5462,  
10.7071

182.8935,  
214.3891, 206.3117

■ 5.2873, 7.8057,  
5.7586

223.6185,  
260.3276, 252.5041

■ 2.4533, 3.9709,  
2.6324

269.9803,

■ 0.8718, 1.6573,

312.4001, 305.1228

0.9091

322.3442,  
370.9909, 364.5864

■ 0.0000, 0.3958,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 51.0325, 63.2523,  
57.0962

■ 51.0325, 63.2523,  
57.0962

■ 45.2865, 60.4557,  
49.4275

■ 57.7185, 66.5206,  
65.5547

■ 40.4315, 58.1007,  
42.5217

■ 65.3801, 70.2731,  
74.8205

■ 36.4221, 56.1661,  
36.3561

■ 74.0573, 74.5319,  
84.9162

■ 33.2064, 54.6256,  
30.9056

■ 83.0454, 78.9332,  
95.8271

■ 30.7265, 53.4500,  
26.1435

■ 84.8844, 79.6688,  
105.5115

■ 28.9161, 52.6056,  
22.0415

■ 27.6957, 52.0521,  
18.5687

■ 27.1158, 51.7974,  
16.5432

# Harmonies

## Analogous

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



54.2070, 63.2523, 47.1071



51.0325, 63.2523, 57.0962



50.2290, 63.2523, 71.7997

# Triad

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



51.0325, 63.2523, 57.0962



61.1335, 63.2523, 103.4880



69.1130, 63.2523, 52.7943

# Complementary

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



51.0325, 63.2523, 57.0962



54.2480, 47.8101, 61.6301

# 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.



71.2297, 63.2523, 66.0230



51.0325, 63.2523, 57.0962



66.4469, 63.2523, 96.4784

# Square

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



51.0325, 63.2523, 57.0962



55.8536, 63.2523, 100.1397



70.2256, 63.2523, 82.1626



64.5971, 63.2523, 44.9004



# Rectangle

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



51.0325, 63.2523, 57.0962



51.1011, 63.2523, 82.6922



70.2256, 63.2523, 82.1626



70.1408, 63.2523, 56.6826

# Sweetspot

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



51.0342, 63.2549, 57.0976



87.0339, 96.0698, 99.3847



56.9251, 66.5131, 47.3749



18.4879, 20.4939, 21.1026



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

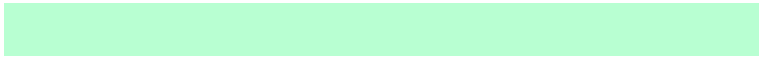


# Same Dimension

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



51.0342, 63.2549, 57.0976



67.0891, 86.3241, 74.2289



53.9931, 64.4385, 72.6789



13.0861, 14.6861, 14.9165



15.9629, 30.4178, 9.9699



1.0750, 1.9870, 0.8613



# Inverse Universe

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



54.2480, 47.8101, 61.6301



72.3569, 60.9988, 81.6515



51.5217, 46.7196, 47.2739



13.3980, 13.1883, 15.3569



20.0719, 10.0298, 15.2905

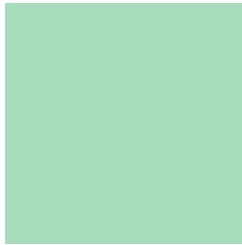


1.3415, 0.6662, 1.2074



# Previews

## White Background



This preview shows how the XYZ color 51.0325, 63.2523, 57.0962 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

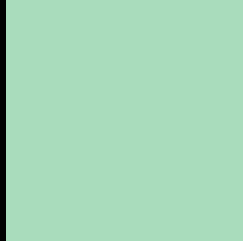
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.0325, 63.2523, 57.0962 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

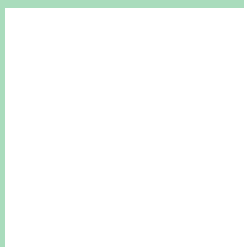
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.0325, 63.2523, 57.0962**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.0325, 63.2523, 57.0962.



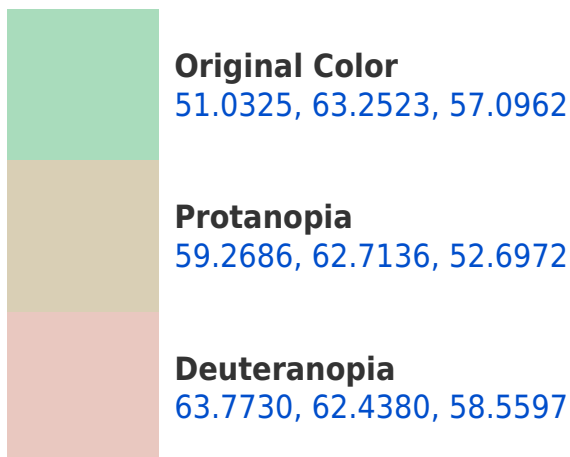
This preview shows how white text looks on a background with the XYZ color 51.0325, 63.2523,



# 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





## **Tritanopia**

56.6018, 63.2098, 84.8188

# Trichromacy



**Original Color**

51.0325, 63.2523, 57.0962

**Protanomaly**

56.0146, 62.8270, 54.5219

**Deuteranomaly**

58.2951, 62.0889, 58.2021

**Tritanomaly**

54.2772, 63.0167, 73.5927

# Monochromacy



**Original Color**

51.0325, 63.2523, 57.0962

**Achromatopsia**

55.5167, 58.4078, 63.6061

**Achromatomaly**

53.5059, 59.9161, 60.9694

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.0325, 63.2523, 57.0962 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, 220, 188)` looks like.

```
.text, #text, p{  
    color:rgb(169, 220, 188)  
}
```

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, 220, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 220, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 51.0325, 63.2523, 57.0962 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, 220, 188) }
```



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

```
.border{ border-color:rgb(169, 220, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 220, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 220, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 220, 188); box-shadow:4px 4px 4px 4px rgb(169, 220, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.0325, 63.2523, 57.0962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 220, 188) }
```

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

```
.background{ background-color: rgb(169,  
220, 188) }
```

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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