

Converting Colors

XYZ(51.2298, 63.5204, 57.8713)

Have a look what the booklet for
XYZ(51.2298, 63.5204, 57.8713)
contains.

XYZ(51.1407, 63.2955, 57.6660)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.1407, 63.2955,
57.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	A9DCBD
RGB	169, 220, 189
RGB Percent	66%, 86%, 74%
CMY	0.3372, 0.1372, 0.2588
CMYK	0.23, 0.00, 0.14, 0.14
HSL	144°, 42%, 76%
HSV	144°, 23%, 86%
XYZ	51.1407, 63.2955, 57.6660
YIQ	201.2170, -20.4450, -20.4530

Conversions

Conversions Part 2

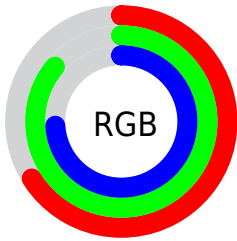
Format	Color
RYB	169, 206, 220
Decimal	11132093
CIELab	83.60, -22.63, 9.91
CIELCh	84, 24.700, 156.356
Yxy	63.2955, 0.2972, 0.3678
Android (android.graphics.Color)	4289322173 (0xFFA9DCBD)
YUV	201.2170, -6.0230, -28.2543
Hunter-Lab	79.5585, -24.4864, 12.7160

Details

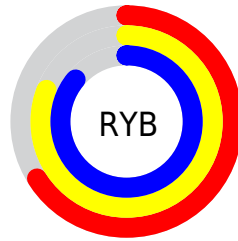
The XYZ color **51.1407, 63.2955, 57.6660** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.1307, 47.7633, 61.0125**, and the grayscale version is **55.6986, 58.5993, 63.8146**.

A 20% lighter version of the original color is **83.2928, 94.1201, 100.1632**, and **25.1015, 32.4008, 28.2236** is the 20% darker color. If you saturate the color by 10%, you get **45.4270, 60.5118, 50.1676**, and if you desaturate by 10%, it is **57.7859, 66.5474, 65.9095**.

Distribution



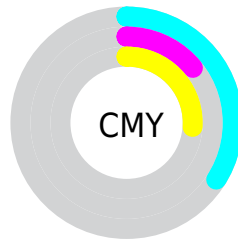
- Red (66%)
- Green (86%)
- Blue (74%)



- Red (66%)
- Yellow (81%)
- Blue (86%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (14%)





- Cyan (34%)
- Magenta (14%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.1407, 63.2955, 57.6660 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 51.1407, 63.2955, 57.6660 by changing the saturation by 10% instead.


 51.1407, 63.2955,
57.6660

 51.1407, 63.2955,
57.6660

381.4888,
436.6411, 433.5037

 36.5421, 46.0803,
41.1273


 91.0445, 109.5957,
102.9463

 25.0252, 32.3092,
28.0981


117.0803,
139.4495, 132.5249

 16.2247, 21.5978,
18.1599


147.6594,
174.2850, 167.2873

 9.7751, 13.5617,
10.8942

183.1469,
214.4865, 207.6519

 5.3112, 7.8164,
5.8825

223.9082,
260.4385, 254.0373

 2.4676, 3.9777,
2.7061

270.3087,

 0.8790, 1.6611,

312.5253, 306.8620

0.9465

322.7138,
371.1314, 366.5446

0.0000, 0.3983,
0.0000

0.0000, 0.0000,
0.0000

51.1407, 63.2955,
57.6660

51.1407, 63.2955,
57.6660

45.4270, 60.5118,
50.1676

57.7859, 66.5474,
65.9095

40.5963, 58.1665,
43.3891

65.3979, 70.2801,
74.9139

36.6033, 56.2385,
37.3103

74.0162, 74.5154,
84.6996

33.3968, 54.7017,
31.9082

82.9358, 78.8893,
95.2506

■ 30.9192, 53.5270,
27.1585

■ 84.8844, 79.6687,
105.5115

■ 29.1048, 52.6810,
23.0355

■ 27.8746, 52.1236,
19.5111

■ 27.2851, 51.8650,
17.4345

Harmonies

Analogous

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



54.2124, 63.2955, 47.6351



51.1407, 63.2955, 57.6660



50.4192, 63.2955, 72.2631

Triad

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



51.1407, 63.2955, 57.6660



61.3174, 63.2955, 102.9007



68.9167, 63.2955, 52.7492

Complementary

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



51.1407, 63.2955, 57.6660



54.1307, 47.7633, 61.0125

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.



71.0820, 63.2955, 65.6778



51.1407, 63.2955, 57.6660



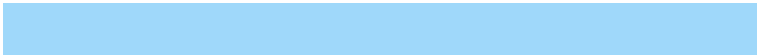
66.5285, 63.2955, 95.7497

Square

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



51.1407, 63.2955, 57.6660



56.0913, 63.2955, 99.9078



70.1829, 63.2955, 81.5461



64.4218, 63.2955, 45.1074

Rectangle

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



51.1407, 63.2955, 57.6660



51.3273, 63.2955, 82.9817



70.1829, 63.2955, 81.5461



69.9530, 63.2955, 56.5406

Sweetspot

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



51.1424, 63.2981, 57.6674



87.0870, 96.0911, 99.6646



56.6967, 66.3953, 47.3643



18.5002, 20.4988, 21.1673



0.0000, 0.0000, 0.0000



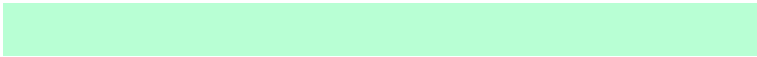
20.3446, 21.4041, 23.3091

Same Dimension

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



51.1424, 63.2981, 57.6674



67.2645, 86.3942, 75.1527



54.1014, 64.4818, 73.2494



13.0969, 14.6904, 14.9732



16.0637, 30.4581, 10.5006



1.0823, 1.9899, 0.8993

Inverse Universe

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



54.1307, 47.7633, 61.0125



72.1628, 60.9212, 80.6296



51.4380, 46.6862, 46.8330



13.3868, 13.1838, 15.2983



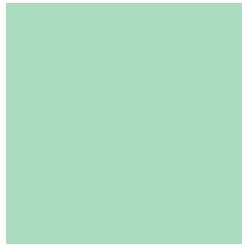
19.8928, 9.9581, 14.3472



1.3306, 0.6619, 1.1500

Previews

White Background



This preview shows how the XYZ color 51.1407, 63.2955, 57.6660 looks on a white background.

Color Contrast Check

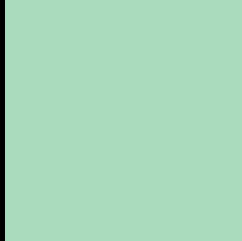
Large Text (above 18pt) WCAG AA × Fail

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 51.1407, 63.2955, 57.6660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

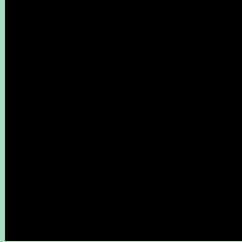
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1407, 63.2955, 57.6660

Background



This preview shows how black text looks on a background with the XYZ color 51.1407, 63.2955, 57.6660.



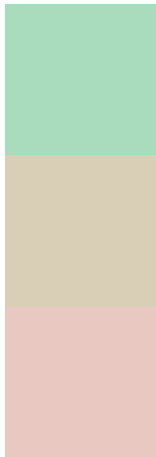
This preview shows how white text looks on a background with the XYZ color 51.1407, 63.2955,

57.6660.

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

51.1407, 63.2955, 57.6660

Protanopia

59.3716, 62.7548, 53.2396

Deuteranopia

63.8842, 62.4824, 59.1453



Tritanopia

56.6018, 63.2098, 84.8188

Trichromacy



Original Color

51.1407, 63.2955, 57.6660

Protanomaly

56.1199, 62.8691, 55.0761

Deuteranomaly

58.4056, 62.1331, 58.7837

Tritanomaly

54.4061, 63.0683, 74.2716

Monochromacy



Original Color

51.1407, 63.2955, 57.6660

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

53.6202, 59.9618, 61.5710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1407, 63.2955, 57.6660 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, 189)` looks like.

```
.text, #text, p{  
    color:rgb(169, 220, 189)  
}
```

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, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 220, 189) }
```

Border

The CSS property to change the border of an element to XYZ 51.1407, 63.2955, 57.6660 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, 189) }
```


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

```
.border{ border-color:rgb(169, 220, 189) }
```

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, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(169, 220, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(169, 220, 189); box-shadow:4px 4px 4px 4px rgb(169, 220, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1407, 63.2955, 57.6660 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, 189) }
```

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

```
.background{ background-color: rgb(169,  
220, 189) }
```

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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