

Converting Colors

XYZ(55.9657, 70.6115, 58.9340)

Have a look what the booklet for
XYZ(55.9657, 70.6115, 58.9340)
contains.

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Color

**XYZ(55.9464, 70.6175,
58.8260)**

Conversions

Conversions Part 1

Format	Color
Hex	B0E8BD
RGB	176, 232, 189
RGB Percent	69%, 91%, 74%
CMY	0.3098, 0.0902, 0.2588
CMYK	0.24, 0.00, 0.19, 0.09
HSL	134°, 55%, 80%
HSV	134°, 24%, 91%
XYZ	55.9464, 70.6175, 58.8260
YIQ	210.3540, -19.5730, -25.2450

Conversions

Conversions Part 2

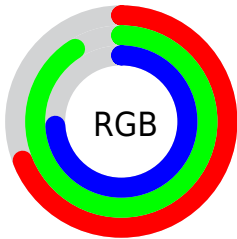
Format	Color
RYB	176, 221, 232
Decimal	11593917
CIELab	87.30, -26.22, 15.21
CIElCh	87, 30.313, 149.884
Yxy	70.6175, 0.3018, 0.3809
Android (android.graphics.Color)	4289783997 (0xFFB0E8BD)
YUV	210.3540, -10.5275, -30.1285
Hunter-Lab	84.0342, -28.2222, 17.3195

Details

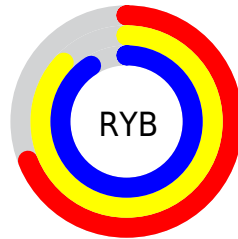
The XYZ color **55.9464, 70.6175, 58.8260** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.5926, 53.3225, 74.0667**, and the grayscale version is **61.5690, 64.7754, 70.5404**.

A 20% lighter version of the original color is **85.5201, 95.2684, 100.2674**, and **27.9953, 36.9658, 28.9522** is the 20% darker color. If you saturate the color by 10%, you get **49.3258, 67.4164, 49.0346**, and if you desaturate by 10%, it is **63.7048, 74.3818, 69.9136**.

Distribution



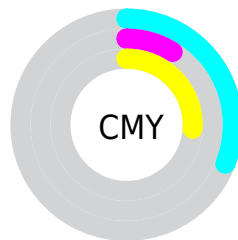
- Red (69%)
- Green (91%)
- Blue (74%)



- Red (69%)
- Yellow (87%)
- Blue (91%)



- Cyan (24%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.9464, 70.6175, 58.8260 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 55.9464, 70.6175, 58.8260 by changing the saturation by 10% instead.

■ 55.9464, 70.6175,
58.8260

■ 55.9464, 70.6175,
58.8260

399.5678,
462.7152, 437.9407

■ 40.3968, 52.0301,
42.0540

■ 98.0665, 120.0889,
104.6514

■ 28.0336, 37.0291,
28.8177

125.3676,
151.7418, 134.5418

■ 18.4916, 25.2300,
18.6985

157.3167,
188.5185, 169.6421

■ 11.4053, 16.2485,
11.2781

194.2790,
230.8036, 210.3708

■ 6.4094, 9.7002,
6.1377

236.6199,
278.9814, 257.1465

■ 3.1386, 5.2006,
2.8588

284.7048,

■ 1.2275, 2.3654,

333.4364, 310.3877

1.0230

338.8989,
394.5528, 370.5129

■ 0.1279, 0.8080,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.9464, 70.6175,
58.8260

■ 55.9464, 70.6175,
58.8260

■ 49.3258, 67.4164,
49.0346

■ 63.7048, 74.3818,
69.9136

■ 43.7833, 64.7425,
40.4875

■ 72.6459, 78.7253,
82.3375

■ 39.2621, 62.5698,
33.1360

■ 82.8189, 83.6747,
96.1419

■ 35.6977, 60.8660,
26.9265

■ 88.1480, 86.1960,
106.5993

■ 33.0182, 59.5953,
21.8013

■ 31.1411, 58.7165,
17.6975

■ 29.9669, 58.1798,
14.5456

■ 29.5205, 57.9810,
13.1081

Harmonies

Analogous

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



60.5187, 70.6175, 47.6267



55.9464, 70.6175, 58.8260



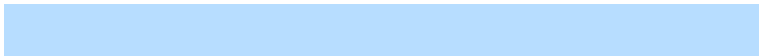
54.3234, 70.6175, 76.8111

Triad

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



55.9464, 70.6175, 58.8260



67.0921, 70.6175, 123.2116



79.7210, 70.6175, 58.9411

Complementary

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



55.9464, 70.6175, 58.8260



61.5926, 53.3225, 74.0667

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.



81.7827, 70.6175, 76.9699



55.9464, 70.6175, 58.8260



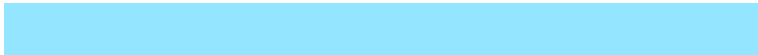
74.1843, 70.6175, 116.2007

Square

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



55.9464, 70.6175, 58.8260



60.4738, 70.6175, 116.0961



79.6899, 70.6175, 98.3194



74.2357, 70.6175, 47.6844

Rectangle

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



55.9464, 70.6175, 58.8260



55.0363, 70.6175, 91.0315



79.6899, 70.6175, 98.3194



80.8540, 70.6175, 64.2954

Sweetspot

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



55.9483, 70.6205, 58.8276



86.6563, 95.9188, 97.3962



66.1707, 76.0461, 52.2657



18.4006, 20.4590, 20.6429



0.0000, 0.0000, 0.0000



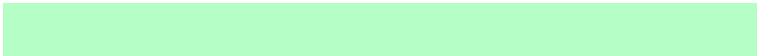
20.3446, 21.4041, 23.3091

Same Dimension

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



55.9483, 70.6205, 58.8276



65.0459, 85.4370, 66.6200



59.1752, 71.9112, 75.8202



14.3257, 16.1437, 15.9800



16.4280, 32.2033, 7.4881



1.2492, 2.3938, 0.7389

Inverse Universe

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



61.5926, 53.3225, 74.0667



73.1822, 60.4913, 88.5794



58.3058, 52.0077, 56.7585



14.8445, 14.5550, 17.3814



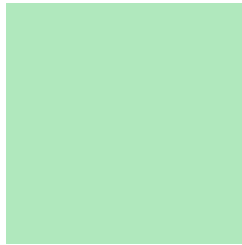
22.9949, 11.3322, 24.6659



1.7341, 0.8514, 2.0064

Previews

White Background



This preview shows how the XYZ color 55.9464, 70.6175, 58.8260 looks on a white background.

Color Contrast Check

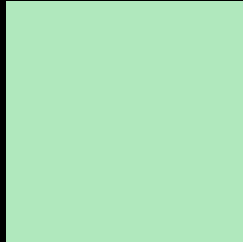
Large Text (above 18pt) WCAG AA × Fail

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 55.9464, 70.6175, 58.8260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

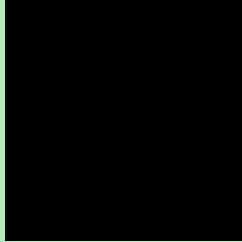
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.9464, 70.6175, 58.8260

Background



This preview shows how black text looks on a background with the XYZ color 55.9464, 70.6175, 58.8260.



This preview shows how white text looks on a background with the XYZ color 55.9464, 70.6175,

58.8260.

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

55.9464, 70.6175, 58.8260

Protanopia

66.1480, 70.3432, 54.3472

Deuteranopia

71.4956, 69.9447, 60.7714



Tritanopia

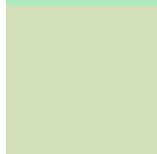
63.3526, 70.7606, 95.1131

Trichromacy



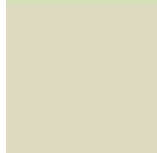
Original Color

55.9464, 70.6175, 58.8260



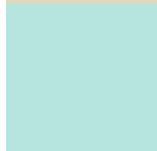
Protanomaly

61.7230, 69.9798, 56.1532



Deuteranomaly

64.7100, 69.4782, 59.8692



Tritanomaly

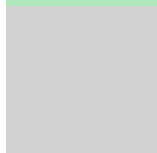
60.3541, 70.7596, 80.2890

Monochromacy



Original Color

55.9464, 70.6175, 58.8260



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

59.0208, 66.4128, 65.5853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.9464, 70.6175, 58.8260 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(176, 232, 189)` looks like.

```
.text, #text, p{  
    color:rgb(176, 232, 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(176, 232, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 232, 189) }
```

Border

The CSS property to change the border of an element to XYZ 55.9464, 70.6175, 58.8260 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(176, 232, 189) }
```


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

```
.border{ border-color:rgb(176, 232, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 232, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 232, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 232, 189);  
box-shadow:4px 4px 4px 4px rgb(176, 232,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 55.9464, 70.6175, 58.8260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 232, 189) }
```

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

```
.background{ background-color: rgb(176,  
232, 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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