

Converting Colors

XYZ(55.4088, 69.9336, 56.2159)

Have a look what the booklet for
XYZ(55.4088, 69.9336, 56.2159)
contains.

XYZ(55.4643, 70.0017, 56.4873)	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(55.4643, 70.0017,
56.4873)**

Conversions

Conversions Part 1

Format	Color
Hex	B1E7B9
RGB	177, 231, 185
RGB Percent	69%, 91%, 73%
CMY	0.3059, 0.0941, 0.2745
CMYK	0.23, 0.00, 0.20, 0.09
HSL	129°, 53%, 80%
HSV	129°, 23%, 91%
XYZ	55.4643, 70.0017, 56.4873
YIQ	209.6100, -17.4180, -25.7540

Conversions

Conversions Part 2

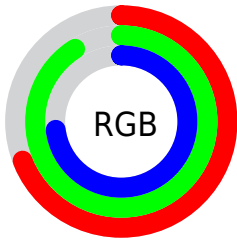
Format	Color
RYB	177, 224, 231
Decimal	11659193
CIELab	87.00, -26.13, 16.88
CIElCh	87, 31.107, 147.140
Yxy	70.0017, 0.3048, 0.3847
Android (android.graphics.Color)	4289849273 (0xFFB1E7B9)
YUV	209.6100, -12.1327, -28.5990
Hunter-Lab	83.6670, -28.0866, 18.5376

Details

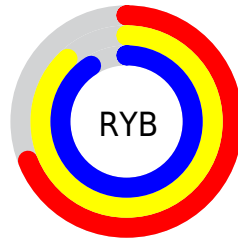
The XYZ color **55.4643, 70.0017, 56.4873** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.9988, 53.7625, 76.9245**, and the grayscale version is **61.0896, 64.2710, 69.9911**.

A 20% lighter version of the original color is **85.2415, 95.1945, 97.1008**, and **27.6632, 36.5368, 27.4241** is the 20% darker color. If you saturate the color by 10%, you get **48.7059, 66.7432, 46.0677**, and if you desaturate by 10%, it is **63.4047, 73.8402, 68.4661**.

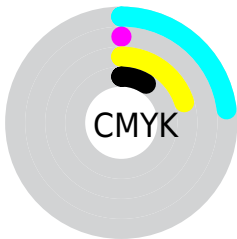
Distribution



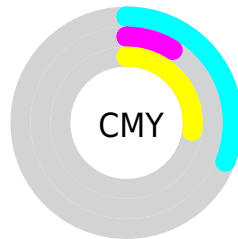
- Red (69%)
- Green (91%)
- Blue (73%)



- Red (69%)
- Yellow (88%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (20%)
- Black (9%)



- Cyan (31%)
- Magenta (9%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4643, 70.0017, 56.4873 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 55.4643, 70.0017, 56.4873 by changing the saturation by 10% instead.

■ 55.4643, 70.0017,
56.4873

■ 55.4643, 70.0017,
56.4873

397.7774,
460.5560, 428.9652

■ 40.0089, 51.5279,
40.1871

■ 97.3653, 119.2112,
101.2096

■ 27.7297, 36.6289,
27.3696

124.5415,
150.7157, 130.4688

■ 18.2614, 24.9203,
17.6161

156.3554,
187.3325, 164.8848

■ 11.2387, 16.0177,
10.5081

193.1724,
229.4461, 204.8761

■ 6.2961, 9.5367,
5.6272

235.3577,
277.4409, 250.8612

■ 3.0683, 5.0929,
2.5546

283.2767,

■ 1.1900, 2.3018,

331.7012, 303.2588

0.8689

337.2948,
392.6114, 362.4872

■ 0.0984, 0.7747,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.4643, 70.0017,
56.4873

■ 55.4643, 70.0017,
56.4873

■ 48.7059, 66.7432,
46.0677

■ 63.4047, 73.8402,
68.4661

■ 43.0672, 64.0282,
37.1386

■ 72.5742, 78.2759,
82.0597

■ 38.4890, 61.8294,
29.6333

■ 83.0242, 83.3360,
97.3265

■ 34.9039, 60.1138,
23.4782

■ 87.8673, 85.6345,
106.5058

■ 32.2370, 58.8443,
18.5928

■ 30.4025, 57.9787,
14.8883

■ 29.2974, 57.4659,
12.2642

■ 28.8692, 57.2713,
11.0632

Harmonies

Analogous

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



60.3563, 70.0017, 45.8435



55.4643, 70.0017, 56.4873



53.5208, 70.0017, 74.2391

Triad

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



55.4643, 70.0017, 56.4873



65.8392, 70.0017, 123.6314



79.7725, 70.0017, 59.3695

Complementary

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



55.4643, 70.0017, 56.4873



61.9988, 53.7625, 76.9245

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.



81.5032, 70.0017, 78.2358



55.4643, 70.0017, 56.4873



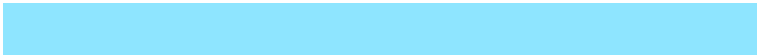
73.1205, 70.0017, 117.7089

Square

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



55.4643, 70.0017, 56.4873



59.2309, 70.0017, 115.0592



78.9877, 70.0017, 100.0838



74.4151, 70.0017, 47.2822

Rectangle

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



55.4643, 70.0017, 56.4873



54.0447, 70.0017, 88.6444



78.9877, 70.0017, 100.0838



80.8140, 70.0017, 65.0143

Sweetspot

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



55.4662, 70.0047, 56.4889



86.4328, 95.8294, 96.2195



67.1931, 76.1450, 52.7516



18.3490, 20.4383, 20.3712



0.0000, 0.0000, 0.0000



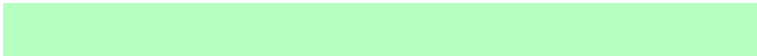
20.3446, 21.4041, 23.3091

Same Dimension

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



55.4662, 70.0047, 56.4889



65.1891, 85.5641, 64.2234



58.4924, 71.2152, 72.4249



14.2759, 16.1238, 15.7177



16.2115, 32.1167, 6.3483



1.2252, 2.3842, 0.6126

Inverse Universe

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



61.9988, 53.7625, 76.9245



74.6908, 61.9324, 93.9419



58.7344, 52.4567, 59.7343



14.8985, 14.5766, 17.6659



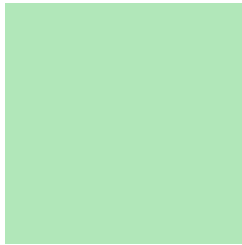
24.1471, 11.7930, 30.7331



1.8095, 0.8815, 2.4033

Previews

White Background



This preview shows how the XYZ color 55.4643, 70.0017, 56.4873 looks on a white background.

Color Contrast Check

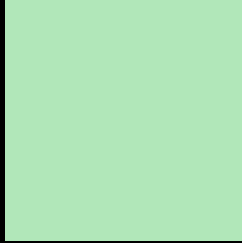
Large Text (above 18pt) WCAG AA × Fail

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 55.4643, 70.0017, 56.4873 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 55.4643, 70.0017, 56.4873

Background



This preview shows how black text looks on a background with the XYZ color 55.4643, 70.0017, 56.4873.

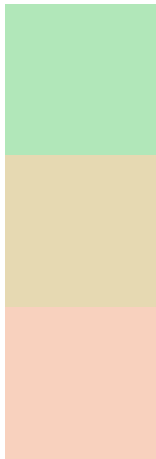


This preview shows how white text looks on a background with the XYZ color 55.4643, 70.0017,

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

55.4643, 70.0017, 56.4873

Protanopia

65.4819, 69.6631, 52.1145

Deuteranopia

70.8061, 69.2751, 58.3547



Tritanopia

62.7584, 69.6910, 93.3631

Trichromacy



Original Color

55.4643, 70.0017, 56.4873

Protanomaly

61.3257, 69.4276, 53.8847

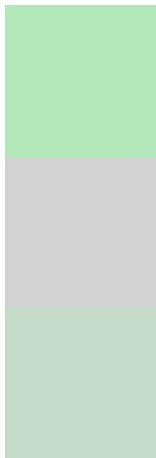
Deuteranomaly

64.0142, 68.7861, 57.4801

Tritanomaly

59.7759, 69.6805, 78.7058

Monochromacy



Original Color

55.4643, 70.0017, 56.4873

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

58.9027, 66.3656, 64.9637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.4643, 70.0017, 56.4873 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(177, 231, 185)` looks like.

```
.text, #text, p{  
    color:rgb(177, 231, 185)  
}
```

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(177, 231, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 231, 185) }
```

Border

The CSS property to change the border of an element to XYZ 55.4643, 70.0017, 56.4873 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(177, 231, 185) }
```


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

```
.border{ border-color:rgb(177, 231, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 231, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 231, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 231, 185);  
box-shadow:4px 4px 4px 4px rgb(177, 231,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 55.4643, 70.0017, 56.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 231, 185) }
```

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

```
.background{ background-color: rgb(177,  
231, 185) }
```

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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