

Converting Colors

XYZ(55.5815, 70.6020, 51.9583)

Have a look what the booklet for
XYZ(55.5815, 70.6020, 51.9583)
contains.

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Color

**XYZ(55.5155, 70.5511,
51.7660)**

Conversions

Conversions Part 1

Format	Color
Hex	B4E8B0
RGB	180, 232, 176
RGB Percent	71%, 91%, 69%
CMY	0.2941, 0.0902, 0.3098
CMYK	0.22, 0.00, 0.24, 0.09
HSL	116°, 55%, 80%
HSV	116°, 24%, 91%
XYZ	55.5155, 70.5511, 51.7660
YIQ	210.0680, -13.0160, -28.4400

Conversions

Conversions Part 2

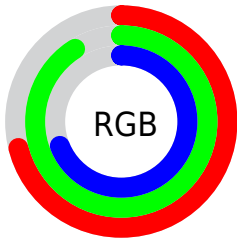
Format	Color
RYB	176, 232, 228
Decimal	11856048
CIELab	87.27, -27.16, 21.95
CIELCh	87, 34.921, 141.056
Yxy	70.5511, 0.3122, 0.3967
Android (android.graphics.Color)	4290046128 (0xFFB4E8B0)
YUV	210.0680, -16.7955, -26.3696
Hunter-Lab	83.9947, -29.0129, 22.2558

Details

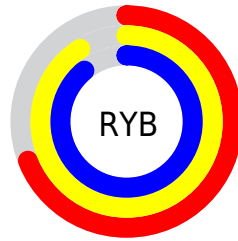
The XYZ color **55.5155, 70.5511, 51.7660** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.0886, 53.3728, 83.3771**, and the grayscale version is **61.4177, 64.6162, 70.3671**.

A 20% lighter version of the original color is **85.2505, 95.3507, 90.2553**, and **27.7047, 36.9163, 24.4043** is the 20% darker color. If you saturate the color by 10%, you get **48.7821, 67.3249, 40.4750**, and if you desaturate by 10%, it is **63.4245, 74.3421, 65.1628**.

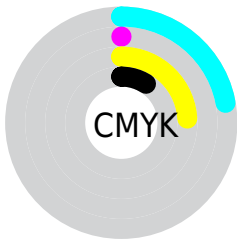
Distribution



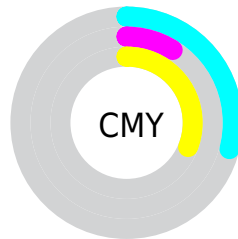
- Red (71%)
- Green (91%)
- Blue (69%)



- Red (69%)
- Yellow (91%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)



- Cyan (29%)
- Magenta (9%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5155, 70.5511, 51.7660 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 55.5155, 70.5511, 51.7660 by changing the saturation by 10% instead.

■ 55.5155, 70.5511,
51.7660

■ 55.5155, 70.5511,
51.7660

397.9677,
462.4827, 410.4638

■ 40.0501, 51.9759,
36.4376

■ 97.4398, 119.9943,
94.2091

■ 27.7620, 36.9859,
24.4800

124.6293,
151.6312, 122.1609

■ 18.2858, 25.1966,
15.4746

156.4576,
188.3907, 155.1577

■ 11.2563, 16.2236,
9.0028

193.2900,
230.6574, 193.6178

■ 6.3081, 9.6825,
4.6462

235.4919,
278.8155, 237.9600

■ 3.0757, 5.1890,
1.9861

283.4285,

■ 1.1939, 2.3586,

333.2495, 288.6027

0.5467

337.4654,
394.3437, 345.9644

0.1016, 0.8044,
0.0000

0.0000, 0.0000,
0.0000

55.5155, 70.5511,
51.7660

55.5155, 70.5511,
51.7660

48.7821, 67.3249,
40.4750

63.4245, 74.3421,
65.1628

43.1629, 64.6281,
31.1785

72.5556, 78.7136,
80.7599

38.5994, 62.4349,
23.7619

82.9598, 83.6919,
98.6517

35.0254, 60.7141,
18.0971

88.1480, 86.1960,
106.5993

■ 32.3672, 59.4308,
14.0403

■ 30.5409, 58.5453,
11.4245

■ 29.4468, 58.0107,
10.0465

■ 29.0815, 57.8312,
9.6298

Harmonies

Analogous

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



61.5447, 70.5511, 41.8862



55.5155, 70.5511, 51.7660



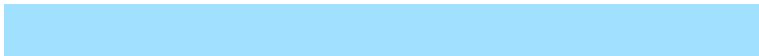
52.6432, 70.5511, 70.0031

Triad

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



55.5155, 70.5511, 51.7660



64.6328, 70.5511, 130.6778



82.8900, 70.5511, 61.6962

Complementary

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



55.5155, 70.5511, 51.7660



62.0886, 53.3728, 83.3771

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.



83.8867, 70.5511, 84.0617



55.5155, 70.5511, 51.7660



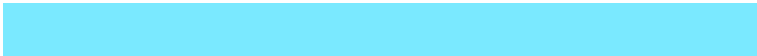
72.8884, 70.5511, 127.1917

Square

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



55.5155, 70.5511, 51.7660



57.6176, 70.5511, 117.6080



80.0959, 70.5511, 108.8753



77.4741, 70.5511, 46.7535

Rectangle

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



55.5155, 70.5511, 51.7660



52.7292, 70.5511, 85.8162



80.0959, 70.5511, 108.8753



83.7695, 70.5511, 68.4722

Sweetspot

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



55.5174, 70.5541, 51.7676



86.4707, 95.8939, 94.1876



68.6786, 75.4145, 52.0120



18.3577, 20.4532, 19.9026



0.0000, 0.0000, 0.0000



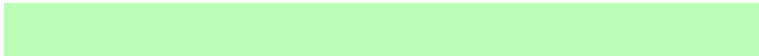
20.3446, 21.4041, 23.3091

Same Dimension

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



55.5174, 70.5541, 51.7676



64.4358, 85.3389, 56.8189



57.1109, 71.0855, 64.9487



14.2842, 16.1380, 15.2666



16.1823, 32.1238, 5.3476



1.2294, 2.3912, 0.3967

Inverse Universe

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



62.0886, 53.3728, 83.3771



73.9078, 60.5602, 102.4017



60.2739, 52.7952, 67.1215



14.8882, 14.5601, 18.1700



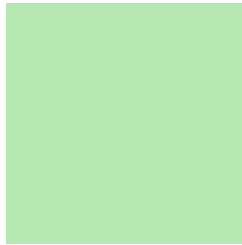
23.7603, 11.3148, 43.3148



1.7864, 0.8519, 3.2022

Previews

White Background



This preview shows how the XYZ color 55.5155, 70.5511, 51.7660 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 55.5155, 70.5511, 51.7660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

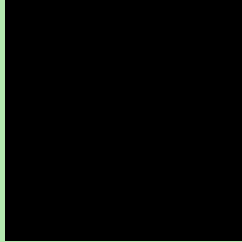
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.5155, 70.5511, 51.7660

Background



This preview shows how black text looks on a background with the XYZ color 55.5155, 70.5511, 51.7660.



This preview shows how white text looks on a background with the XYZ color 55.5155, 70.5511, 51.7660.

51.7660.

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

55.5155, 70.5511, 51.7660

Protanopia

65.5115, 70.1632, 47.6261

Deuteranopia

71.5320, 70.1248, 53.4814



Tritanopia

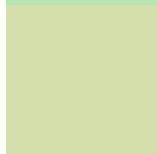
63.7507, 70.2026, 93.4095

Trichromacy



Original Color

55.5155, 70.5511, 51.7660



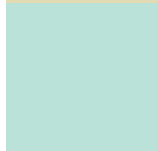
Protanomaly

61.2746, 69.9000, 49.2923



Deuteranomaly

64.5721, 69.5662, 52.6721



Tritanomaly

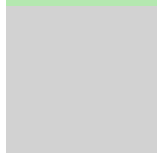
60.2143, 69.9673, 75.9770

Monochromacy



Original Color

55.5155, 70.5511, 51.7660



Achromatopsia

61.2578, 64.4480, 70.1838



Achromatomaly

58.8176, 66.3621, 63.1352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5155, 70.5511, 51.7660 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(180, 232, 176)` looks like.

```
.text, #text, p{  
    color:rgb(180, 232, 176)  
}
```

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(180, 232, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 232, 176) }
```

Border

The CSS property to change the border of an element to XYZ 55.5155, 70.5511, 51.7660 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(180, 232, 176) }
```


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

```
.border{ border-color:rgb(180, 232, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 232, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 232, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 232, 176);  
box-shadow:4px 4px 4px 4px rgb(180, 232,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5155, 70.5511, 51.7660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 232, 176) }
```

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

```
.background{ background-color: rgb(180,  
232, 176) }
```

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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