

Converting Colors

XYZ(55.8187, 70.7679, 52.1237)

Have a look what the booklet for
XYZ(55.8187, 70.7679, 52.1237)
contains.

XYZ(55.8485, 70.7113, 52.3001)	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(55.8485, 70.7113,
52.3001)**

Conversions

Conversions Part 1

Format	Color
Hex	B5E8B1
RGB	181, 232, 177
RGB Percent	71%, 91%, 69%
CMY	0.2902, 0.0902, 0.3059
CMYK	0.22, 0.00, 0.24, 0.09
HSL	116°, 54%, 80%
HSV	116°, 24%, 91%
XYZ	55.8485, 70.7113, 52.3001
YIQ	210.4810, -12.7410, -27.9170

Conversions

Conversions Part 2

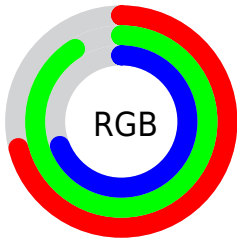
Format	Color
RYB	177, 232, 228
Decimal	11921585
CIELab	87.34, -26.66, 21.55
CIELCh	87, 34.282, 141.054
Yxy	70.7113, 0.3122, 0.3953
Android (android.graphics.Color)	4290111665 (0xFFB5E8B1)
YUV	210.4810, -16.5061, -25.8548
Hunter-Lab	84.0900, -28.6065, 21.9874

Details

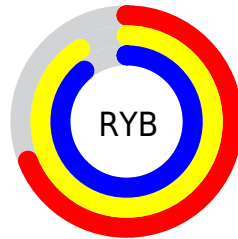
The XYZ color **55.8485, 70.7113, 52.3001** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **62.2855, 53.7665, 83.4428**, and the grayscale version is **61.6875, 64.9001, 70.6762**.

A 20% lighter version of the original color is **85.7279, 95.5803, 91.0213**, and **27.9158, 37.0179, 24.7426** is the 20% darker color. If you saturate the color by 10%, you get **49.0692, 67.4634, 40.9208**, and if you desaturate by 10%, it is **63.8037, 74.5241, 65.7896**.

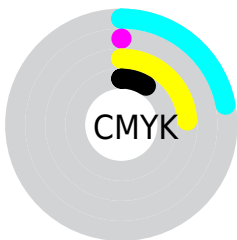
Distribution



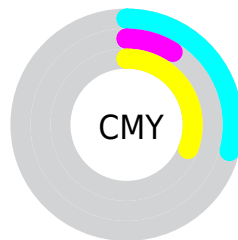
- Red (71%)
- Green (91%)
- Blue (69%)



- 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 55.8485, 70.7113, 52.3001 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 55.8485, 70.7113, 52.3001 by changing the saturation by 10% instead.


 55.8485, 70.7113,
52.3001

 55.8485, 70.7113,
52.3001


399.2046,
463.0436, 412.5839

 40.3180, 52.1066,
36.8604


 97.9241, 120.2226,
95.0048

 27.9719, 37.0901,
24.8045


125.2000,
151.8979, 123.1068

 18.4448, 25.2772,
15.7138


157.1216,
188.6990, 156.2668

 11.3714, 16.2837,
9.1697

194.0544,
231.0102, 194.9032

 6.3864, 9.7251,
4.7537

236.3638,
279.2158, 239.4346

 3.1243, 5.2171,
2.0473


284.4150,

 1.2198, 2.3752,


333.7003, 290.2795


0.5841


338.5735,
394.8481, 347.8564


 0.1219, 0.8131,
0.0000


 0.0000, 0.0000,
0.0000


 55.8485, 70.7113,
52.3001


 55.8485, 70.7113,
52.3001

 49.0692, 67.4634,
40.9208


 63.8037, 74.5241,
65.7896


 43.4047, 64.7449,
31.5406

 72.9810, 78.9173,
81.4833

 38.7968, 62.5306,
24.0455

 83.4310, 83.9171,
99.4756

 35.1799, 60.7893,
18.3080

 88.1480, 86.1960,
106.5993

■ 32.4809, 59.4864,
14.1849

■ 30.6167, 58.5826,
11.5107

■ 29.4887, 58.0315,
10.0841

■ 29.0868, 57.8340,
9.6300

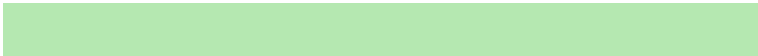
Harmonies

Analogous

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



61.7871, 70.7113, 42.5201



55.8485, 70.7113, 52.3001



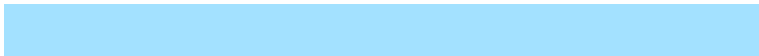
53.0162, 70.7113, 70.2866

Triad

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



55.8485, 70.7113, 52.3001



64.8247, 70.7113, 129.7647



82.7554, 70.7113, 62.1056

Complementary

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



55.8485, 70.7113, 52.3001



62.2855, 53.7665, 83.4428

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.



83.7324, 70.7113, 84.1121



55.8485, 70.7113, 52.3001



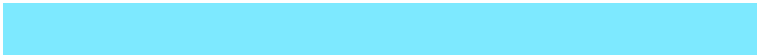
72.9391, 70.7113, 126.3589

Square

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



55.8485, 70.7113, 52.3001



57.9192, 70.7113, 116.9855



80.0142, 70.7113, 108.4420



77.4425, 70.7113, 47.3435

Rectangle

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



55.8485, 70.7113, 52.3001



53.1009, 70.7113, 85.8315



80.0142, 70.7113, 108.4420



83.6177, 70.7113, 68.7823

Sweetspot

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



55.8504, 70.7143, 52.3017



86.4785, 95.8980, 94.1880



68.8008, 75.5000, 52.5428



18.3595, 20.4541, 19.9026



0.0000, 0.0000, 0.0000



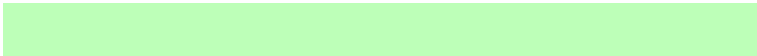
20.3446, 21.4041, 23.3091

Same Dimension

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



55.8504, 70.7143, 52.3017



65.3044, 85.7561, 58.2386



57.4059, 71.2297, 65.3176



14.2859, 16.1389, 15.2666



16.1857, 32.1255, 5.3478



1.2302, 2.3916, 0.3968

Inverse Universe

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



62.2855, 53.7665, 83.4428



74.4633, 61.6237, 102.5777



60.5223, 53.2095, 67.4587



14.8863, 14.5591, 18.1699



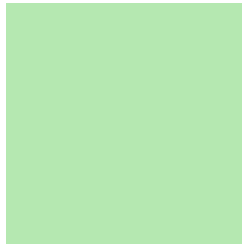
23.7120, 11.2899, 43.3126



1.7833, 0.8503, 3.2021

Previews

White Background



This preview shows how the XYZ color 55.8485, 70.7113, 52.3001 looks on a white background.

Color Contrast Check

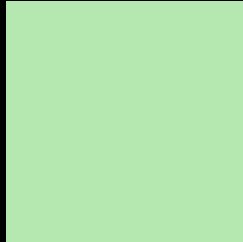
Large Text (above 18pt) WCAG AA × Fail

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 55.8485, 70.7113, 52.3001 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

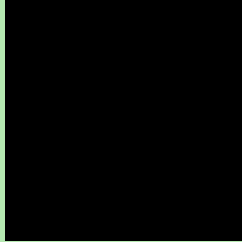
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.8485, 70.7113, 52.3001

Background



This preview shows how black text looks on a background with the XYZ color 55.8485, 70.7113, 52.3001.

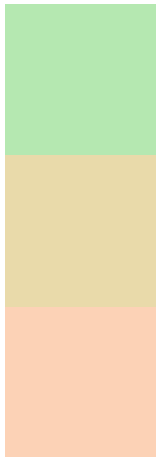


This preview shows how white text looks on a background with the XYZ color 55.8485, 70.7113,

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

55.8485, 70.7113, 52.3001

Protanopia

65.9314, 70.3687, 48.1378

Deuteranopia

71.6350, 70.1660, 54.0238



Tritanopia

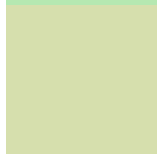
64.0031, 70.3327, 93.4213

Trichromacy



Original Color

55.8485, 70.7113, 52.3001



Protanomaly

61.6621, 70.0886, 49.8137



Deuteranomaly

64.6737, 69.6068, 53.2068



Tritanomaly

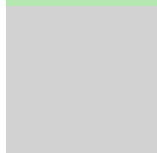
60.5903, 70.1460, 76.6758

Monochromacy



Original Color

55.8485, 70.7113, 52.3001



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 55.8485, 70.7113, 52.3001 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(181, 232, 177)` looks like.

```
.text, #text, p{  
    color:rgb(181, 232, 177)  
}
```

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(181, 232, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 232, 177) }
```

Border

The CSS property to change the border of an element to XYZ 55.8485, 70.7113, 52.3001 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(181, 232, 177) }
```


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

```
.border{ border-color:rgb(181, 232, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 232, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 232, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 232, 177);  
box-shadow:4px 4px 4px 4px rgb(181, 232,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8485, 70.7113, 52.3001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 232, 177) }
```

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

```
.background{ background-color: rgb(181,  
232, 177) }
```

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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