

Converting Colors

XYZ(62.7728, 84.5110, 55.4075)

Have a look what the booklet for
XYZ(62.7728, 84.5110, 55.4075)
contains.

XYZ(62.7191, 84.4780, 55.6481)	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(62.7191, 84.4780,
55.6481)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFB3
RGB	180, 255, 179
RGB Percent	71%, 100%, 70%
CMY	0.2941, 0.0000, 0.2980
CMYK	0.29, 0.00, 0.30, 0.00
HSL	119°, 100%, 85%
HSV	119°, 30%, 100%
XYZ	62.7191, 84.4780, 55.6481
YIQ	223.9110, -20.3040, -39.5360

Conversions

Conversions Part 2

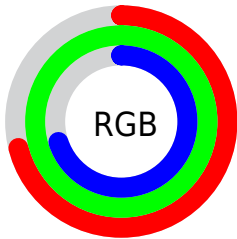
Format	Color
RYB	179, 255, 254
Decimal	11861939
CIELab	93.66, -37.36, 29.16
CIELCh	94, 47.394, 142.027
Yxy	84.4780, 0.3092, 0.4165
Android (android.graphics.Color)	4290052019 (0xFFB4FFB3)
YUV	223.9110, -22.1411, -38.5099
Hunter-Lab	91.9119, -39.0405, 28.4412

Details

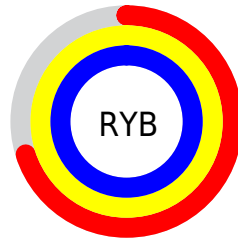
The XYZ color **62.7191, 84.4780, 55.6481** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **75.0441, 60.5323, 102.3364**, and the grayscale version is **70.9512, 74.6462, 81.2897**.

A 20% lighter version of the original color is **85.6804, 95.5227, 92.5191**, and **32.4174, 46.2545, 26.9581** is the 20% darker color. If you saturate the color by 10%, you get **55.0375, 80.7889, 43.0481**, and if you desaturate by 10%, it is **71.9422, 88.9066, 70.8122**.

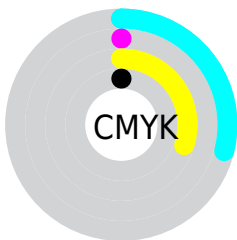
Distribution



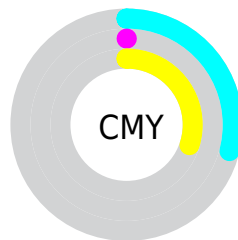
- Red (71%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7191, 84.4780, 55.6481 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 62.7191, 84.4780, 55.6481 by changing the saturation by 10% instead.


 62.7191, 84.4780,
55.6481

 62.7191, 84.4780,
55.6481


424.2252,
509.8992, 425.7150

 45.8718, 63.4102,
39.5188


 107.8482,
139.6436, 99.9705

 32.3489, 46.1731,
26.8526


136.8608,
174.5102, 129.0007

 21.7849, 32.3824,
17.2311


170.6591,
214.7452, 163.1682

 13.8147, 21.6538,
10.2357

209.6086,
260.7329, 202.8916

 8.0727, 13.6027,
5.4479

254.0746,
312.8577, 248.5895

 4.1937, 7.8449,
2.4491

304.4225,

 1.8123, 3.9958,

371.5041, 300.6803

0.8130

361.0176,
437.0565, 359.5826

■ 0.5251, 1.6712,
0.0000

■ 0.0000, 0.4049,
0.0000

■ 62.7191, 84.4780,
55.6481

■ 62.7191, 84.4780,
55.6481

■ 55.0375, 80.7889,
43.0481

■ 71.9422, 88.9066,
70.8122

■ 48.8120, 77.7985,
32.8669

■ 82.7827, 94.1111,
88.6669

■ 43.9512, 75.4628,
24.9507

95.0500, 100.0000,
108.9000

■ 40.3526, 73.7328,
19.1267

■ 37.8995, 72.5526,
15.1969

■ 36.4535, 71.8560,
12.9257

■ 35.8109, 71.5459,
11.9368

■ 35.8019, 71.5416,
11.9220

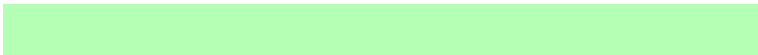
Harmonies

Analogous

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



71.5716, 84.4780, 41.6052



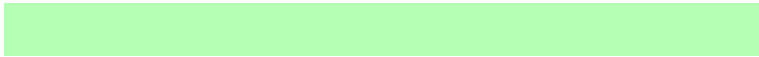
62.7191, 84.4780, 55.6481



58.6707, 84.4780, 82.7176

Triad

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



62.7191, 84.4780, 55.6481



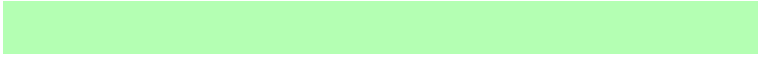
76.9901, 84.4780, 178.9000



104.8296, 84.4780, 68.4016

Complementary

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



62.7191, 84.4780, 55.6481



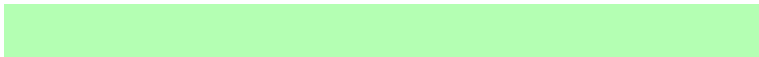
75.0441, 60.5323, 102.3364

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.



106.6674, 84.4780, 101.9140



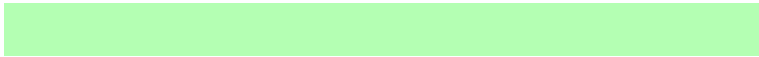
62.7191, 84.4780, 55.6481



89.6973, 84.4780, 172.1608

Square

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



62.7191, 84.4780, 55.6481



66.3307, 84.4780, 157.9966



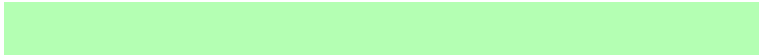
100.8785, 84.4780, 141.4452



96.0906, 84.4780, 47.5186

Rectangle

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



62.7191, 84.4780, 55.6481



58.9118, 84.4780, 107.1623



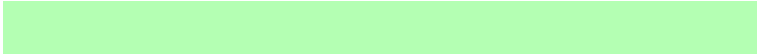
100.8785, 84.4780, 141.4452



106.3092, 84.4780, 78.3079

Sweetspot

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



62.7196, 84.4782, 55.6494



83.7256, 94.5637, 90.2210



84.7342, 95.2293, 56.5643



17.5568, 20.0658, 18.7111



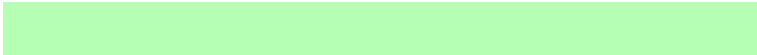
0.0000, 0.0000, 0.0000



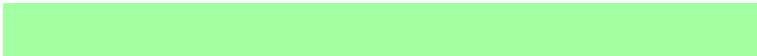
20.3446, 21.4041, 23.3091

Same Dimension

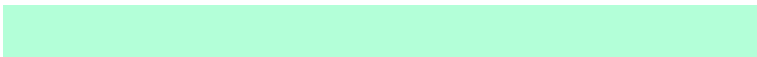
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.7196, 84.4782, 55.6494



57.7826, 82.1073, 47.5472



66.7114, 86.0482, 77.8789



17.7936, 20.1795, 19.1015



18.7168, 37.3870, 6.2299



1.8298, 3.6441, 0.6069

Inverse Universe

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



75.0441, 60.5323, 102.3364



71.9803, 54.5174, 101.3369



70.0506, 58.5772, 74.1281



18.7677, 18.2875, 22.7906



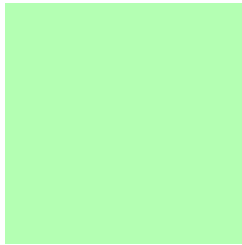
30.3525, 14.5578, 50.6448



2.9626, 1.4212, 4.9314

Previews

White Background



This preview shows how the XYZ color 62.7191, 84.4780, 55.6481 looks on a white background.

Color Contrast Check

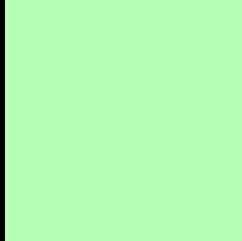
Large Text (above 18pt) WCAG AA × Fail

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 62.7191, 84.4780, 55.6481 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

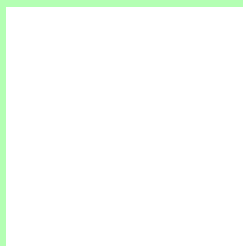
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.7191, 84.4780, 55.6481

Background



This preview shows how black text looks on a background with the XYZ color 62.7191, 84.4780, 55.6481.



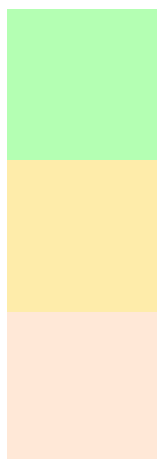
This preview shows how white text looks on a background with the XYZ color 62.7191, 84.4780,

55.6481.

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

62.7191, 84.4780, 55.6481

Protanopia

78.1242, 83.9640, 50.1193

Deuteranopia

82.3624, 83.8795, 76.1394



Tritanopia

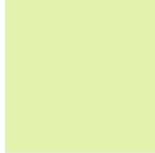
76.3805, 84.4259, 106.8779

Trichromacy



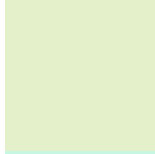
Original Color

62.7191, 84.4780, 55.6481



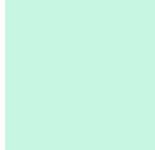
Protanomaly

71.2720, 83.4492, 51.8860



Deuteranomaly

73.8157, 83.0784, 68.0224



Tritanomaly

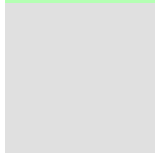
70.6791, 84.2097, 85.2020

Monochromacy



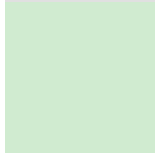
Original Color

62.7191, 84.4780, 55.6481



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1059, 77.3806, 71.0736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7191, 84.4780, 55.6481 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, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 179)  
}
```

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, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 62.7191, 84.4780, 55.6481 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, 255, 179) }
```


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

```
.border{ border-color:rgb(180, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7191, 84.4780, 55.6481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 179) }
```

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

```
.background{ background-color: rgb(180,  
255, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor