

Converting Colors

XYZ(85.7686, 130.2585,
60.7057)

Have a look what the booklet for
XYZ(85.7686, 130.2585, 60.7057)
contains.

XYZ(62.9284, 84.6433, 53.0655)	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(62.9284, 84.6433,
53.0655)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FFAE
RGB	183, 255, 174
RGB Percent	72%, 100%, 68%
CMY	0.2823, 0.0000, 0.3176
CMYK	0.28, 0.00, 0.32, 0.00
HSL	113°, 100%, 84%
HSV	113°, 32%, 100%
XYZ	62.9284, 84.6433, 53.0655
YIQ	224.2380, -16.9110, -40.4550

Conversions

Conversions Part 2

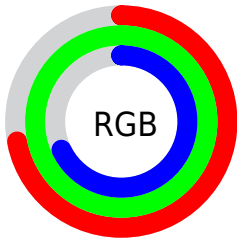
Format	Color
RYB	174, 255, 246
Decimal	12058542
CIELab	93.73, -37.19, 31.80
CIElCh	94, 48.926, 139.466
Yxy	84.6433, 0.3136, 0.4219
Android (android.graphics.Color)	4290248622 (0xFFB7FFAE)
YUV	224.2380, -24.7673, -36.1657
Hunter-Lab	92.0018, -38.9107, 30.2035

Details

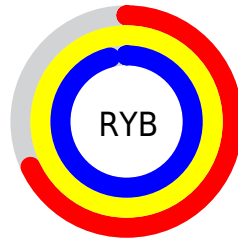
The XYZ color **62.9284, 84.6433, 53.0655** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **71.1931, 57.0862, 101.8742**, and the grayscale version is **71.2016, 74.9096, 81.5766**.

A 20% lighter version of the original color is **85.9781, 95.7584, 88.8146**, and **32.5474, 46.3578, 25.3217** is the 20% darker color. If you saturate the color by 10%, you get **55.7092, 81.1821, 40.9595**, and if you desaturate by 10%, it is **71.4888, 88.7412, 67.7001**.

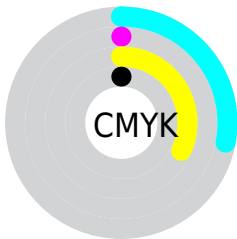
Distribution



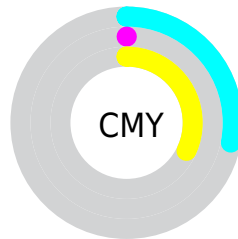
- Red (72%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (96%)



- Cyan (28%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9284, 84.6433, 53.0655 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 62.9284, 84.6433, 53.0655 by changing the saturation by 10% instead.


 62.9284, 84.6433,
53.0655

 62.9284, 84.6433,
53.0655


424.9734,
510.4470, 415.6098

 46.0417, 63.5467,
37.4670


 108.1486,
139.8747, 96.1433

 32.4835, 46.2836,
25.2706


137.2128,
174.7783, 124.4596

 21.8884, 32.4697,
16.0580


171.0669,
215.0530, 157.8523

 13.8911, 21.7205,
9.4104

210.0763,
261.0832, 196.7398

 8.1261, 13.6517,
4.9094

254.6063,
313.2533, 241.5408

 4.2283, 7.8788,
2.1364

305.0222,

 1.8321, 4.0175,

371.9477, 292.6738

0.6373

361.6895,
437.5508, 350.5573

■ 0.5369, 1.6834,
0.0000

■ 0.0000, 0.4128,
0.0000

■ 62.9284, 84.6433,
53.0655

■ 62.9284, 84.6433,
53.0655

■ 55.7092, 81.1821,
40.9595

■ 71.4888, 88.7412,
67.7001

■ 49.7615, 78.3250,
31.2352

■ 81.4523, 93.5052,
84.9913

■ 45.0114, 76.0373,
23.7368

■ 92.8787, 98.9633,
105.0627

■ 41.3767, 74.2804,
18.2881

95.0500, 100.0000,
108.9000

■ 38.7648, 73.0109,
14.6864

■ 37.0676, 72.1784,
12.6878

■ 36.2479, 71.7715,
11.9428

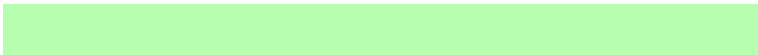
Harmonies

Analogous

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



72.4142, 84.6433, 39.8486



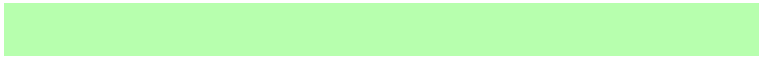
62.9284, 84.6433, 53.0655



58.3167, 84.6433, 79.6988

Triad

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



62.9284, 84.6433, 53.0655



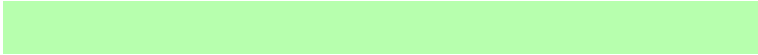
75.9724, 84.6433, 181.8481



106.3609, 84.6433, 70.3283

Complementary

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



62.9284, 84.6433, 53.0655



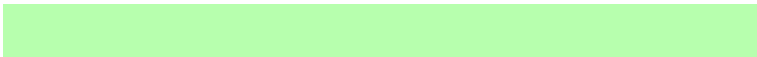
71.1931, 57.0862, 101.8742

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.



107.5778, 84.6433, 105.8616



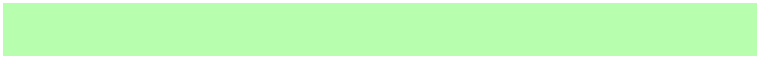
62.9284, 84.6433, 53.0655



89.0612, 84.6433, 177.3514

Square

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



62.9284, 84.6433, 53.0655



65.2916, 84.6433, 157.8870



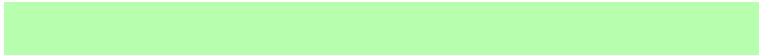
100.9571, 84.6433, 146.8790



97.7919, 84.6433, 47.7999

Rectangle

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



62.9284, 84.6433, 53.0655



58.2516, 84.6433, 104.4293



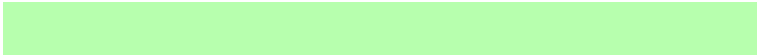
100.9571, 84.6433, 146.8790



107.6759, 84.6433, 80.8954

Sweetspot

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



62.9289, 84.6435, 53.0668



83.3597, 94.4167, 88.3260



81.6994, 89.9544, 53.1026



17.5163, 20.0532, 18.3351



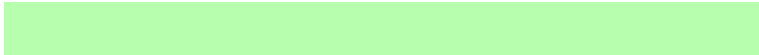
0.0000, 0.0000, 0.0000



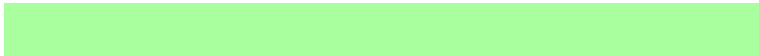
20.3446, 21.4041, 23.3091

Same Dimension

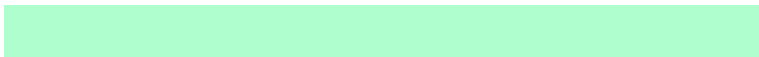
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.9289, 84.6435, 53.0668



58.2734, 82.4122, 45.2287



64.2418, 84.9292, 70.7973



17.9589, 20.2647, 19.1093



18.9999, 37.5329, 6.2432



1.9080, 3.6844, 0.6106

Inverse Universe

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



71.1931, 57.0862, 101.8742



67.6837, 50.9830, 100.8811



69.8244, 56.9122, 77.7911



18.5822, 18.1919, 22.7819



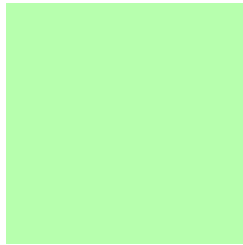
26.0098, 12.3190, 50.4415



2.5868, 1.2274, 4.9139

Previews

White Background



This preview shows how the XYZ color 62.9284, 84.6433, 53.0655 looks on a white background.

Color Contrast Check

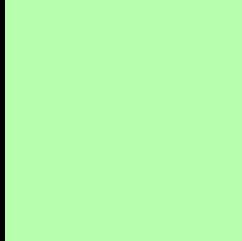
Large Text (above 18pt) WCAG AA × Fail

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 62.9284, 84.6433, 53.0655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

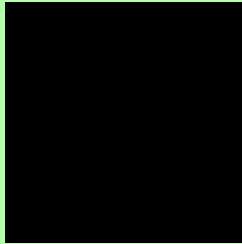
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.9284, 84.6433, 53.0655

Background



This preview shows how black text looks on a background with the XYZ color 62.9284, 84.6433, 53.0655.



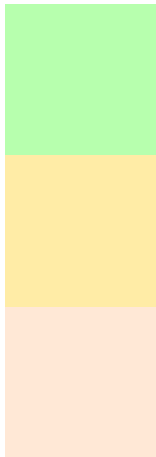
This preview shows how white text looks on a background with the XYZ color 62.9284, 84.6433,

53.0655.

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

62.9284, 84.6433, 53.0655

Protanopia

78.1184, 84.0041, 48.1735

Deuteranopia

82.2342, 83.8283, 75.4646



Tritanopia

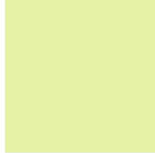
76.3693, 83.9795, 106.7923

Trichromacy



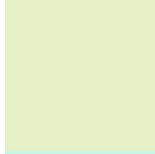
Original Color

62.9284, 84.6433, 53.0655



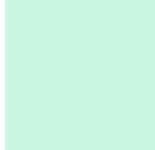
Protanomaly

71.5251, 83.6238, 49.9073



Deuteranomaly

73.7820, 83.1017, 66.1843



Tritanomaly

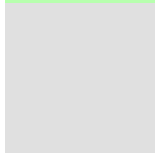
70.7706, 83.8200, 84.4004

Monochromacy



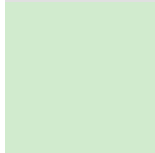
Original Color

62.9284, 84.6433, 53.0655



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1434, 77.4282, 69.7988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9284, 84.6433, 53.0655 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(183, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 174)  
}
```

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(183, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 174) }
```

Border

The CSS property to change the border of an element to XYZ 62.9284, 84.6433, 53.0655 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(183, 255, 174) }
```


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

```
.border{ border-color:rgb(183, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9284, 84.6433, 53.0655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 174) }
```

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

```
.background{ background-color: rgb(183,  
255, 174) }
```

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