

Converting Colors

XYZ(66.0284, 85.2186, 71.7464)

Have a look what the booklet for
XYZ(66.0284, 85.2186, 71.7464)
contains.

XYZ(66.2327, 85.4559, 72.0353)	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(66.2327, 85.4559,
72.0353)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FECF
RGB	183, 254, 207
RGB Percent	72%, 100%, 81%
CMY	0.2823, 0.0039, 0.1882
CMYK	0.28, 0.00, 0.19, 0.00
HSL	140°, 97%, 86%
HSV	140°, 28%, 100%
XYZ	66.2327, 85.4559, 72.0353
YIQ	227.4130, -27.2290, -29.6690

Conversions

Conversions Part 2

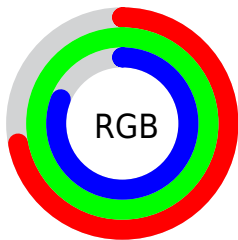
Format	Color
RYB	183, 236, 254
Decimal	12058319
CIELab	94.08, -31.20, 15.52
CIELCh	94, 34.844, 153.549
Yxy	85.4559, 0.2960, 0.3820
Android (android.graphics.Color)	4290248399 (0xFFB7FECF)
YUV	227.4130, -10.0636, -38.9502
Hunter-Lab	92.4424, -33.8832, 18.5082

Details

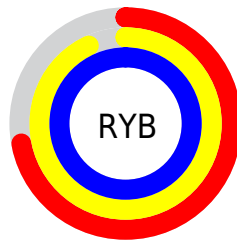
The XYZ color **66.2327, 85.4559, 72.0353** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.0923, 60.6529, 82.7738**, and the grayscale version is **73.4014, 77.2240, 84.0969**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **34.6181, 46.8216, 37.3499** is the 20% darker color. If you saturate the color by 10%, you get **58.7804, 81.8415, 61.5216**, and if you desaturate by 10%, it is **74.9988, 89.7270, 83.7570**.

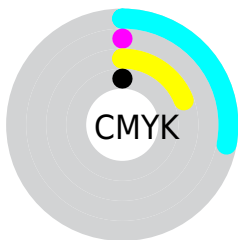
Distribution



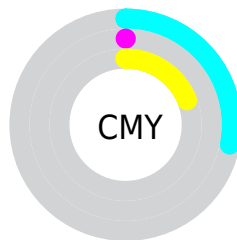
- Red (72%)
- Green (100%)
- Blue (81%)



- Red (72%)
- Yellow (93%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (19%)
- Black (0%)





- Cyan (28%)
- Magenta (0%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.2327, 85.4559, 72.0353 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 66.2327, 85.4559, 72.0353 by changing the saturation by 10% instead.

 66.2327, 85.4559,
72.0353

 66.2327, 85.4559,
72.0353


436.6842,
513.1354, 486.6453

 48.7297, 64.2181,
52.7005


 112.8761,
141.0100, 123.8149

 34.6188, 46.8274,
37.1776


142.7473,
176.0951, 157.0968

 23.5345, 32.8992,
25.0482


177.4719,
216.5647, 195.8648

 15.1115, 22.0492,
15.8936

217.4154,
262.8034, 240.5374

 8.9845, 13.8931,
9.2954

262.9429,
315.1953, 291.5333

 4.7881, 8.0463,
4.8349

314.4200,

 2.1570, 4.1246,

374.1251, 349.2708

2.0937

372.2120,
439.9770, 414.1687

0.7199, 1.7435,
0.6120

0.0000, 0.4516,
0.0000

66.2327, 85.4559,
72.0353

66.2327, 85.4559,
72.0353

58.7804, 81.8415,
61.5216

74.9988, 89.7270,
83.7570

52.5695, 78.8402,
52.1715

85.1325, 94.6748,
96.7179

47.5310, 76.4196,
43.9461

94.7334, 99.3669,
108.7945

43.5858, 74.5398,
36.8023

■ 40.6450, 73.1559,
30.6938

■ 38.6040, 72.2150,
25.5710

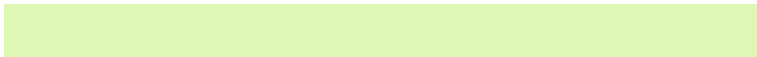
■ 37.3243, 71.6467,
21.3793

■ 37.1175, 71.5565,
20.6297

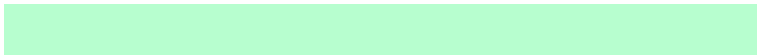
Harmonies

Analogous

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



71.7301, 85.4559, 56.5382



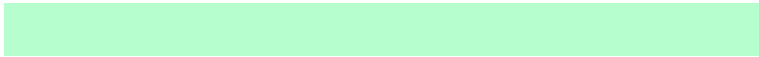
66.2327, 85.4559, 72.0353



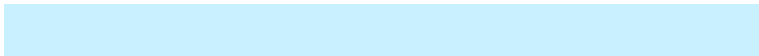
64.6405, 85.4559, 96.2551

Triad

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



66.2327, 85.4559, 72.0353



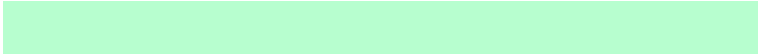
82.3359, 85.4559, 154.1410



97.0679, 85.4559, 67.5017

Complementary

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



66.2327, 85.4559, 72.0353



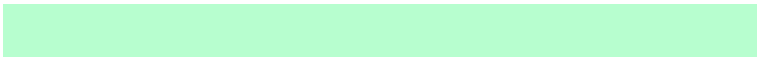
72.0923, 60.6529, 82.7738

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.



100.4241, 85.4559, 89.9109



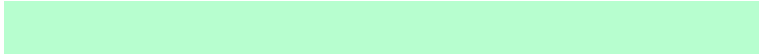
66.2327, 85.4559, 72.0353



91.5191, 85.4559, 142.6257

Square

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



66.2327, 85.4559, 72.0353



73.5104, 85.4559, 146.8843



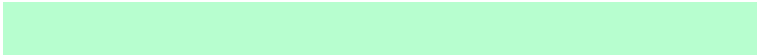
98.3205, 85.4559, 117.7922



89.4576, 85.4559, 54.2930

Rectangle

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



66.2327, 85.4559, 72.0353



65.8989, 85.4559, 115.0602



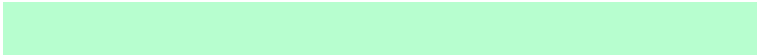
98.3205, 85.4559, 117.7922



98.7563, 85.4559, 74.0373

Sweetspot

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



66.2350, 85.4595, 72.0372



85.8404, 95.4947, 97.5158



76.7323, 91.1847, 58.3568



18.0249, 20.2695, 20.4340



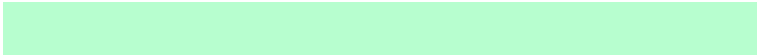
0.0000, 0.0000, 0.0000



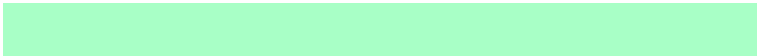
20.3446, 21.4041, 23.3091

Same Dimension

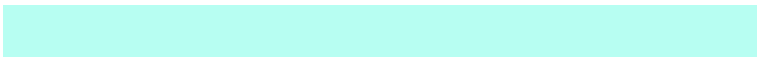
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2350, 85.4595, 72.0372



62.1201, 83.9369, 66.1156



71.0250, 87.3755, 97.2610



18.0249, 20.2695, 20.4340



19.6293, 37.7483, 11.1990



1.9598, 3.6949, 1.3463

Inverse Universe

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



72.0923, 60.6529, 82.7738



68.9836, 54.8504, 78.6828



67.6405, 58.8721, 59.3307



18.5164, 18.1899, 21.3365



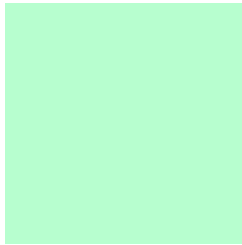
25.3538, 12.6308, 21.0453



2.5197, 1.2502, 2.3179

Previews

White Background



This preview shows how the XYZ color 66.2327, 85.4559, 72.0353 looks on a white background.

Color Contrast Check

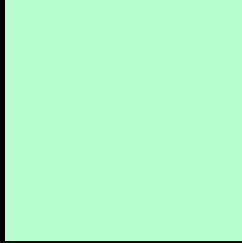
Large Text (above 18pt) WCAG AA × Fail

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 66.2327, 85.4559, 72.0353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

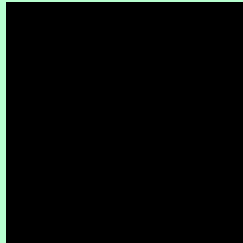
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.2327, 85.4559, 72.0353

Background



This preview shows how black text looks on a background with the XYZ color 66.2327, 85.4559, 72.0353.



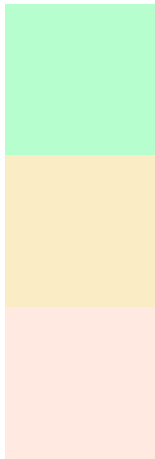
This preview shows how white text looks on a background with the XYZ color 66.2327, 85.4559,

72.0353.

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

66.2327, 85.4559, 72.0353

Protanopia

79.9016, 84.9696, 65.6156

Deuteranopia

83.8335, 84.9196, 82.4936



Tritanopia

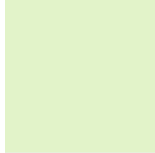
77.2520, 85.3182, 107.0042

Trichromacy



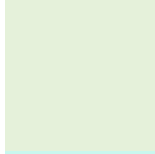
Original Color

66.2327, 85.4559, 72.0353



Protanomaly

73.9572, 84.4870, 67.6680



Deuteranomaly

76.4233, 84.6306, 78.6371



Tritanomaly

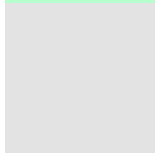
72.7808, 85.1121, 93.4812

Monochromacy



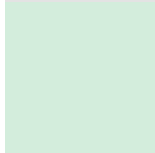
Original Color

66.2327, 85.4559, 72.0353



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.0664, 79.5846, 79.3786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2327, 85.4559, 72.0353 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, 254, 207)` looks like.

```
.text, #text, p{  
    color:rgb(183, 254, 207)  
}
```

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, 254, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 254, 207) }
```

Border

The CSS property to change the border of an element to XYZ 66.2327, 85.4559, 72.0353 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, 254, 207) }
```


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

```
.border{ border-color:rgb(183, 254, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 254, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 254, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 254, 207);  
box-shadow:4px 4px 4px 4px rgb(183, 254,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2327, 85.4559, 72.0353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 254, 207) }
```

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

```
.background{ background-color: rgb(183,  
254, 207) }
```

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