

Converting Colors

XYZ(66.8052, 86.5693, 56.5248)

Have a look what the booklet for
XYZ(66.8052, 86.5693, 56.5248)
contains.

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Color

**XYZ(66.7632, 86.5510,
56.3672)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFB4
RGB	196, 255, 180
RGB Percent	77%, 100%, 71%
CMY	0.2314, 0.0000, 0.2941
CMYK	0.23, 0.00, 0.29, 0.00
HSL	107°, 100%, 85%
HSV	107°, 29%, 100%
XYZ	66.7632, 86.5510, 56.3672
YIQ	228.8090, -11.0890, -35.8330

Conversions

Conversions Part 2

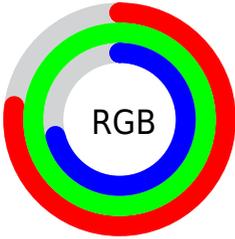
Format	Color
RYB	180, 255, 239
Decimal	12910516
CIELab	94.55, -32.03, 30.01
CIELCh	95, 43.894, 136.869
Yxy	86.5510, 0.3184, 0.4128
Android (android.graphics.Color)	4291100596 (0xFFC4FFB4)
YUV	228.8090, -24.0628, -28.7735
Hunter-Lab	93.0328, -34.7103, 29.2000

Details

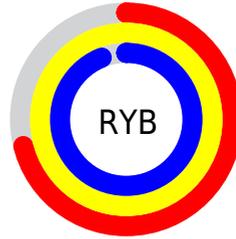
The XYZ color **66.7632, 86.5510, 56.3672** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.9687, 58.2144, 102.1565**, and the grayscale version is **74.5125, 78.3930, 85.3699**.

A 20% lighter version of the original color is **91.7734, 98.6470, 93.5607**, and **35.0094, 47.5832, 27.4180** is the 20% darker color. If you saturate the color by 10%, you get **59.5258, 83.0931, 43.6929**, and if you desaturate by 10%, it is **75.1773, 90.5604, 71.5937**.

Distribution



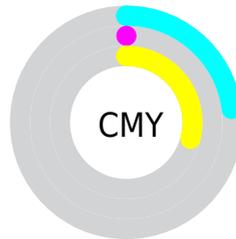
- Red (77%)
- Green (100%)
- Blue (71%)



- Red (71%)
- Yellow (100%)
- Blue (94%)



- Cyan (23%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)



- Cyan (23%)
- Magenta (0%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.7632, 86.5510, 56.3672 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 66.7632, 86.5510, 56.3672 by changing the saturation by 10% instead.

 66.7632, 86.5510,
56.3672

 66.7632, 86.5510,
56.3672

438.5472,
516.7463, 428.5010

 49.1622, 65.1237,
40.0914

 113.6327,
142.5381, 101.0324

 34.9632, 47.5614,
27.2955

143.6319,
177.8668, 130.2589

 23.8009, 33.4797,
17.5609

178.4946,
218.5980, 164.6395

 15.3100, 22.4942,
10.4690

218.5861,
265.1161, 204.5925

 9.1249, 14.2205,
5.6014

264.2717,
317.8057, 250.5367

 4.8805, 8.2742,
2.5394

315.9169,

 2.2114, 4.2709,

377.0509, 302.8904

0.8609

373.8869,
443.2364, 362.0724

0.7487, 1.8262,
0.0000

0.0000, 0.5034,
0.0000

66.7632, 86.5510,
56.3672

66.7632, 86.5510,
56.3672

59.5258, 83.0931,
43.6929

75.1773, 90.5604,
71.5937

53.4099, 80.1611,
33.4273

84.8166, 95.1434,
89.4972

48.3577, 77.7286,
25.4190

95.0500, 100.0000,
108.9000

44.3059, 75.7667,
19.4974

■ 41.1836, 74.2431,
15.4682

■ 38.9098, 73.1209,
13.1001

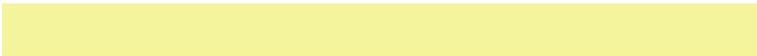
■ 37.3757, 72.3520,
12.0386

■ 37.3028, 72.3153,
11.9922

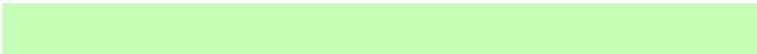
Harmonies

Analogous

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



75.8417, 86.5510, 44.6550



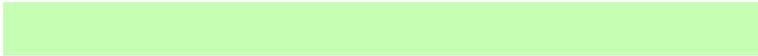
66.7632, 86.5510, 56.3672



62.0511, 86.5510, 80.2088

Triad

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



66.7632, 86.5510, 56.3672



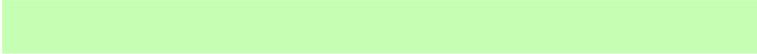
77.2069, 86.5510, 172.9297



105.9943, 86.5510, 76.5798

Complementary

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



66.7632, 86.5510, 56.3672



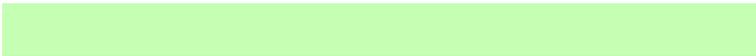
69.9687, 58.2144, 102.1565

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.



106.4495, 86.5510, 109.8175



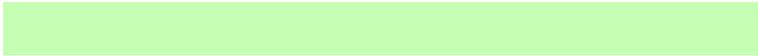
66.7632, 86.5510, 56.3672



89.0393, 86.5510, 171.2870

Square

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



66.7632, 86.5510, 56.3672



67.6799, 86.5510, 150.1891



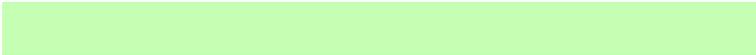
99.9959, 86.5510, 146.1281



98.8060, 86.5510, 54.2616

Rectangle

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



66.7632, 86.5510, 56.3672



61.6945, 86.5510, 102.2433



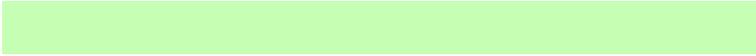
99.9959, 86.5510, 146.1281



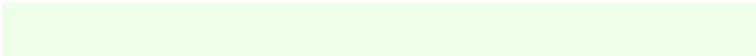
106.9623, 86.5510, 86.6644

Sweetspot

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



66.7637, 86.5513, 56.3685



85.2396, 95.3442, 90.2918



80.2720, 86.1424, 55.5776



17.9263, 20.2563, 18.7284



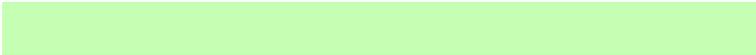
0.0000, 0.0000, 0.0000



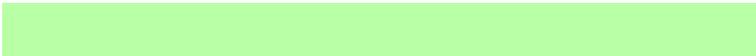
20.3446, 21.4041, 23.3091

Same Dimension

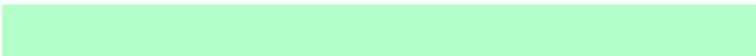
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.7637, 86.5513, 56.3685



62.5768, 84.5521, 48.9783



65.1552, 85.4525, 68.4736



18.1337, 20.3548, 19.1175



19.5918, 37.8380, 6.2709



1.9943, 3.7288, 0.6146

Inverse Universe

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



69.9687, 58.2144, 102.1565



66.2198, 52.2278, 101.1985



72.3772, 59.8297, 85.3878



18.3911, 18.0933, 22.7730



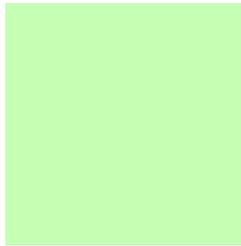
22.0924, 10.2996, 50.2582



2.2411, 1.0493, 4.8977

Previews

White Background



This preview shows how the XYZ color 66.7632, 86.5510, 56.3672 looks on a white background.

Color Contrast Check

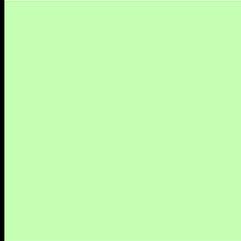
Large Text (above 18pt) WCAG AA × Fail

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 66.7632, 86.5510, 56.3672 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 66.7632, 86.5510, 56.3672

Background



This preview shows how black text looks on a background with the XYZ color 66.7632, 86.5510, 56.3672.



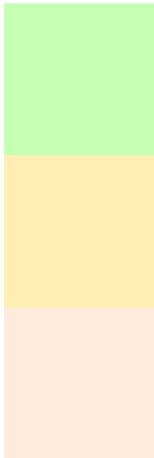
This preview shows how white text looks on a background with the XYZ color 66.7632, 86.5510,

56.3672.

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

66.7632, 86.5510, 56.3672

Protanopia

80.0528, 85.7044, 55.5034

Deuteranopia

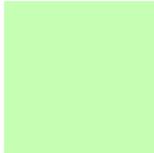
83.8666, 85.8440, 79.8594



Tritanopia

79.6209, 86.0964, 107.0295

Trichromacy



Original Color

66.7632, 86.5510, 56.3672



Protanomaly

74.5206, 85.4891, 55.7534



Deuteranomaly

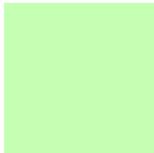
76.7033, 85.4045, 70.1996



Tritanomaly

74.4157, 86.1200, 86.0995

Monochromacy



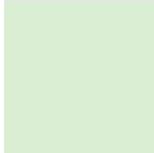
Original Color

66.7632, 86.5510, 56.3672



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

70.9477, 80.6039, 73.4468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.7632, 86.5510, 56.3672 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(196, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 180)  
}
```

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(196, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 180) }
```

Border

The CSS property to change the border of an element to XYZ 66.7632, 86.5510, 56.3672 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(196, 255, 180) }
```

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

```
.border{ border-color:rgb(196, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 66.7632, 86.5510, 56.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 180) }
```

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

```
.background{ background-color: rgb(196,  
255, 180) }
```

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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