

Converting Colors

XYZ(74.5833, 102.7247,
51.5569)

Have a look what the booklet for
XYZ(74.5833, 102.7247, 51.5569)
contains.

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Color

**XYZ(66.3709, 86.5160,
48.7984)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FFA5
RGB	200, 255, 165
RGB Percent	78%, 100%, 65%
CMY	0.2157, 0.0000, 0.3529
CMYK	0.22, 0.00, 0.35, 0.00
HSL	97°, 100%, 82%
HSV	97°, 35%, 100%
XYZ	66.3709, 86.5160, 48.7984
YIQ	228.2950, -3.8900, -39.6500

Conversions

Conversions Part 2

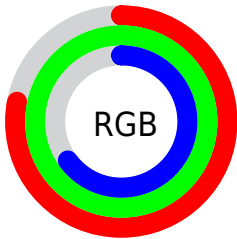
Format	Color
RYB	165, 255, 220
Decimal	13172645
CIELab	94.53, -32.84, 37.52
CIELCh	95, 49.863, 131.197
Yxy	86.5160, 0.3291, 0.4290
Android (android.graphics.Color)	4291362725 (0xFFC8FFA5)
YUV	228.2950, -31.2044, -24.8147
Hunter-Lab	93.0140, -35.4043, 34.0042

Details

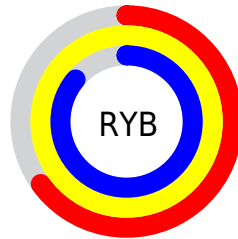
The XYZ color **66.3709, 86.5160, 48.7984** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.0215, 49.3472, 100.9165**, and the grayscale version is **74.1817, 78.0449, 84.9909**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **34.6203, 47.4873, 22.6705** is the 20% darker color. If you saturate the color by 10%, you get **60.3241, 83.6407, 37.5839**, and if you desaturate by 10%, it is **73.3055, 89.7954, 62.4723**.

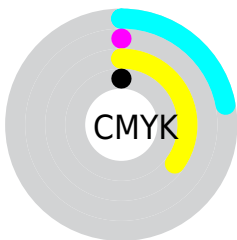
Distribution



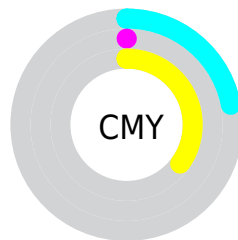
- Red (78%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (86%)



- Cyan (22%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.3709, 86.5160, 48.7984 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 66.3709, 86.5160, 48.7984 by changing the saturation by 10% instead.


 66.3709, 86.5160,
48.7984


 66.3709, 86.5160,
48.7984


437.1699,
516.6311, 398.5478

 48.8424, 65.0947,
34.0951


 113.0733,
142.4893, 89.7698

 34.7085, 47.5379,
22.6887


 142.9779,
177.8102, 116.8751

 23.6039, 33.4611,
14.1607


177.7385,
218.5331, 148.9514

 15.1632, 22.4799,
8.0925


217.7205,
265.0423, 186.4173

 9.0210, 14.2100,
4.0656

263.2893,
317.7224, 229.6913

 4.8121, 8.2668,
1.6614

314.8103,

 2.1711, 4.2662,

376.9576, 279.1921

0.3341

372.6487,
443.1324, 335.3380

■ 0.7274, 1.8235,
0.0000

■ 0.0000, 0.5018,
0.0000

■ 66.3709, 86.5160,
48.7984

■ 66.3709, 86.5160,
48.7984

■ 60.3241, 83.6407,
37.5839

■ 73.3055, 89.7954,
62.4723

■ 55.1238, 81.1515,
28.6788

■ 81.1642, 93.4948,
78.7360

■ 50.7263, 79.0295,
21.9227

■ 89.9825, 97.6299,
97.7151

■ 47.0833, 77.2537,
17.1329

95.0500, 100.0000,
108.9000

■ 44.1395, 75.8003,
14.0965

■ 41.8296, 74.6413,
12.5505

■ 40.9234, 74.1818,
12.1616

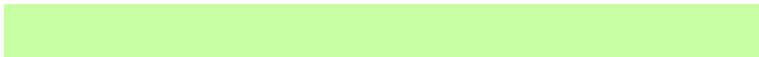
Harmonies

Analogous

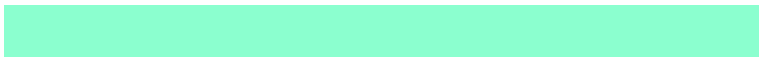
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3186, 86.5160, 38.6910



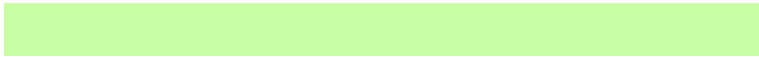
66.3709, 86.5160, 48.7984



60.1318, 86.5160, 72.3219

Triad

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



66.3709, 86.5160, 48.7984



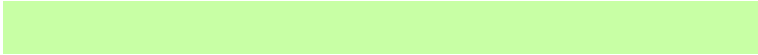
74.1867, 86.5160, 182.9650



110.2470, 86.5160, 80.5602

Complementary

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



66.3709, 86.5160, 48.7984



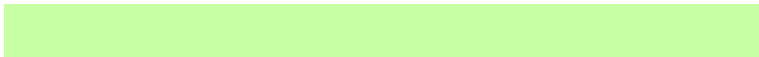
61.0215, 49.3472, 100.9165

Split Complementary

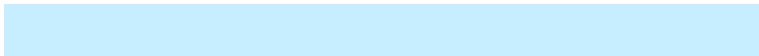
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.1727, 86.5160, 120.1003



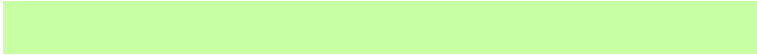
66.3709, 86.5160, 48.7984



87.3469, 86.5160, 186.9456

Square

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



66.3709, 86.5160, 48.7984



64.2935, 86.5160, 151.7780



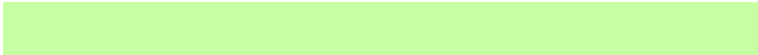
100.4353, 86.5160, 161.5114



103.2280, 86.5160, 53.4102

Rectangle

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



66.3709, 86.5160, 48.7984



59.0248, 86.5160, 95.7542



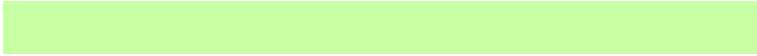
100.4353, 86.5160, 161.5114



110.8388, 86.5160, 92.6651

Sweetspot

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



66.3713, 86.5161, 48.7997



84.8304, 95.2159, 86.5443



73.3635, 74.6403, 46.1389



17.9052, 20.2619, 17.9845



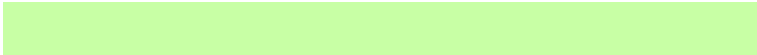
0.0000, 0.0000, 0.0000



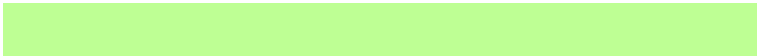
20.3446, 21.4041, 23.3091

Same Dimension

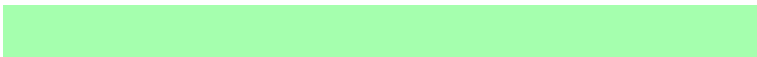
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.3713, 86.5161, 48.7997



62.2200, 84.5441, 41.0148



58.9178, 82.5757, 52.8790



18.4396, 20.5125, 19.1318



21.5382, 38.8414, 6.3620



2.2151, 3.8427, 0.6250

Inverse Universe

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



61.0215, 49.3472, 100.9165



56.1669, 42.5672, 99.8637



71.3302, 54.8250, 94.0118



18.0687, 17.9271, 22.7579



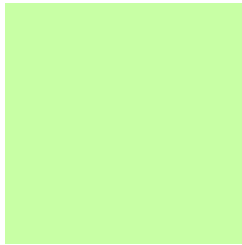
16.7512, 7.5460, 50.0082



1.7535, 0.7979, 4.8749

Previews

White Background



This preview shows how the XYZ color 66.3709, 86.5160, 48.7984 looks on a white background.

Color Contrast Check

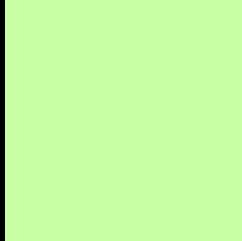
Large Text (above 18pt) WCAG AA × Fail

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 66.3709, 86.5160, 48.7984 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 66.3709, 86.5160, 48.7984

Background



This preview shows how black text looks on a background with the XYZ color 66.3709, 86.5160, 48.7984.



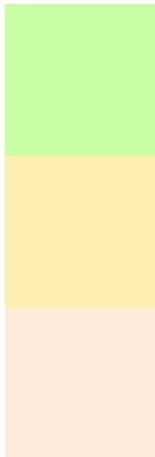
This preview shows how white text looks on a background with the XYZ color 66.3709, 86.5160,

48.7984.

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

66.3709, 86.5160, 48.7984

Protanopia

79.8504, 85.6234, 54.4379

Deuteranopia

83.6032, 85.7386, 78.4725



Tritanopia

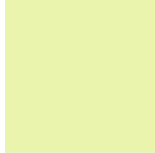
80.2336, 86.4122, 107.0582

Trichromacy



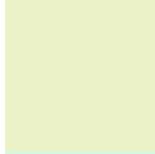
Original Color

66.3709, 86.5160, 48.7984



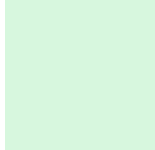
Protanomaly

74.1545, 85.3807, 52.1069



Deuteranomaly

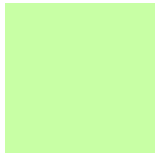
76.3219, 85.2900, 66.4728



Tritanomaly

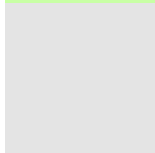
74.4699, 86.2425, 81.8287

Monochromacy



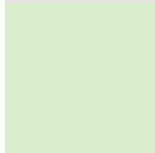
Original Color

66.3709, 86.5160, 48.7984



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.5074, 80.4623, 69.5722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.3709, 86.5160, 48.7984 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(200, 255, 165)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 165)  
}
```

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(200, 255, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 165) }
```

Border

The CSS property to change the border of an element to XYZ 66.3709, 86.5160, 48.7984 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(200, 255, 165) }
```


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

```
.border{ border-color:rgb(200, 255, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 165);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 66.3709, 86.5160, 48.7984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 165) }
```

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

```
.background{ background-color: rgb(200,  
255, 165) }
```

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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