

Converting Colors

XYZ(62.9771, 84.8114, 46.6076)

Have a look what the booklet for
XYZ(62.9771, 84.8114, 46.6076)
contains.

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Color

**XYZ(62.9321, 84.7846,
46.7664)**

Conversions

Conversions Part 1

Format	Color
Hex	BCFFA1
RGB	188, 255, 161
RGB Percent	74%, 100%, 63%
CMY	0.2627, 0.0000, 0.3686
CMYK	0.26, 0.00, 0.37, 0.00
HSL	103°, 100%, 82%
HSV	103°, 37%, 100%
XYZ	62.9321, 84.7846, 46.7664
YIQ	224.2510, -9.7580, -43.4380

Conversions

Conversions Part 2

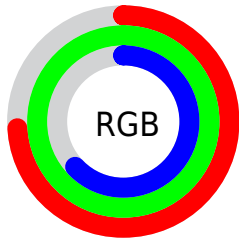
Format	Color
RYB	161, 255, 228
Decimal	12386209
CIELab	93.79, -37.44, 38.39
CIELCh	94, 53.627, 134.279
Yxy	84.7846, 0.3236, 0.4359
Android (android.graphics.Color)	4290576289 (0xFFBCFFA1)
YUV	224.2510, -31.1827, -31.7921
Hunter-Lab	92.0786, -39.1397, 34.3418

Details

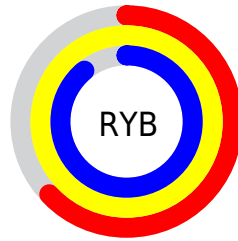
The XYZ color **62.9321, 84.7846, 46.7664** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.7908, 49.2050, 100.7958**, and the grayscale version is **71.2518, 74.9624, 81.6341**.

A 20% lighter version of the original color is **86.2904, 96.1226, 79.6512**, and **32.5737, 46.4574, 21.4377** is the 20% darker color. If you saturate the color by 10%, you get **56.7084, 81.8100, 35.9098**, and if you desaturate by 10%, it is **70.1792, 88.2337, 60.0671**.

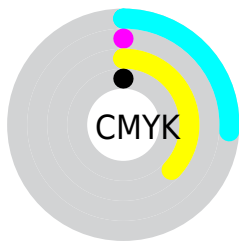
Distribution



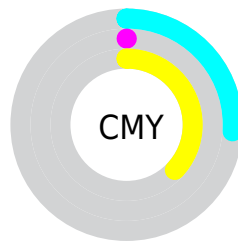
- Red (74%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (89%)



- Cyan (26%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9321, 84.7846, 46.7664 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 62.9321, 84.7846, 46.7664 by changing the saturation by 10% instead.


 62.9321, 84.7846,
46.7664


 62.9321, 84.7846,
46.7664


424.9866,
510.9150, 390.2481

 46.0447, 63.6634,
32.4980


 108.1539,
140.0722, 86.7112

 32.4859, 46.3781,
21.4742


 137.2190,
175.0074, 113.2246

 21.8902, 32.5443,
13.2765


171.0742,
215.3160, 144.6568

 13.8924, 21.7776,
7.4862

210.0846,
261.3826, 181.4263

 8.1271, 13.6936,
3.6850

254.6157,
313.5913, 223.9516

 4.2289, 7.9078,
1.4542


305.0328,


 1.8324, 4.0360,


372.3267, 272.6513


0.1834


361.7013,
437.9732, 327.9440


 0.5371, 1.6937,
0.0000


 0.0000, 0.4196,
0.0000


 62.9321, 84.7846,
46.7664


 62.9321, 84.7846,
46.7664


 56.7084, 81.8100,
35.9098


 70.1792, 88.2337,
60.0671

 51.4579, 79.2874,
27.3445

 78.4939, 92.1773,
75.9441

 47.1278, 77.1932,
20.9070

 87.9192, 96.6347,
94.5249

 43.6589, 75.5008,
16.4101

95.0500, 100.0000,
108.9000

■ 40.9844, 74.1807,
13.6343

■ 39.0238, 73.1975,
12.3016

■ 38.5260, 72.9459,
12.0494

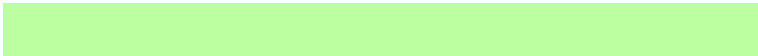
Harmonies

Analogous

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



74.0153, 84.7846, 35.2456



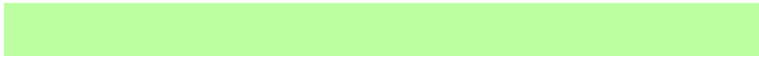
62.9321, 84.7846, 46.7664



56.9863, 84.7846, 72.6474

Triad

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



62.9321, 84.7846, 46.7664



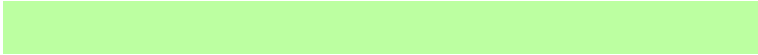
73.3879, 84.7846, 190.3080



110.1569, 84.7846, 74.2852

Complementary

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



62.9321, 84.7846, 46.7664



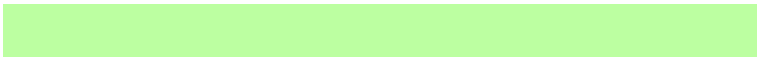
62.7908, 49.2050, 100.7958

Split Complementary

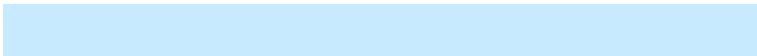
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.9372, 84.7846, 115.2483



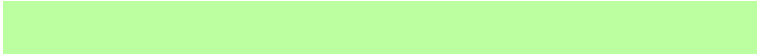
62.9321, 84.7846, 46.7664



87.5328, 84.7846, 191.1369

Square

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



62.9321, 84.7846, 46.7664



62.5196, 84.7846, 158.6409



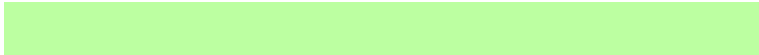
101.2647, 84.7846, 160.6524



101.8334, 84.7846, 47.6592

Rectangle

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



62.9321, 84.7846, 46.7664



56.2368, 84.7846, 98.2948



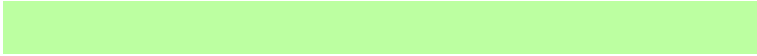
101.2647, 84.7846, 160.6524



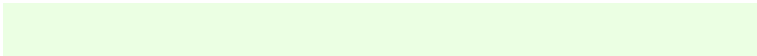
111.1080, 84.7846, 86.5847

Sweetspot

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



62.9325, 84.7848, 46.7677



83.8814, 94.7266, 86.4999



75.0879, 78.6626, 44.9453



17.6800, 20.1458, 17.9740



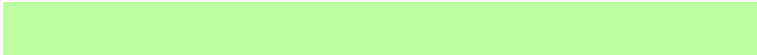
0.0000, 0.0000, 0.0000



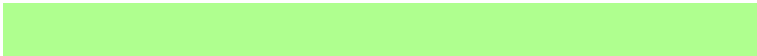
20.3446, 21.4041, 23.3091

Same Dimension

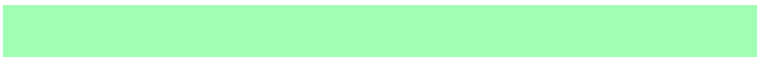
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.9325, 84.7848, 46.7677



58.3879, 82.6141, 38.7760



58.6766, 82.3846, 55.8837



18.2616, 20.4207, 19.1234



20.2572, 38.1810, 6.3020



2.0746, 3.7703, 0.6184

Inverse Universe

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



62.7908, 49.2050, 100.7958



58.2042, 42.4570, 99.7351



69.1548, 52.8185, 86.0599



18.2545, 18.0229, 22.7666



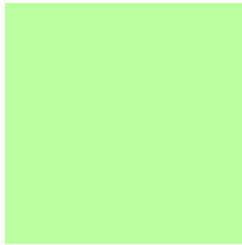
19.6367, 9.0336, 50.1433



2.0199, 0.9352, 4.8873

Previews

White Background



This preview shows how the XYZ color 62.9321, 84.7846, 46.7664 looks on a white background.

Color Contrast Check

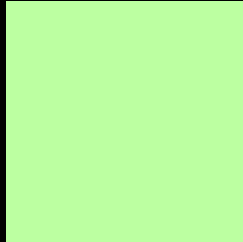
Large Text (above 18pt) WCAG AA × Fail

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 62.9321, 84.7846, 46.7664 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

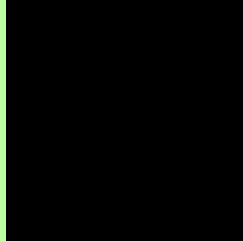
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

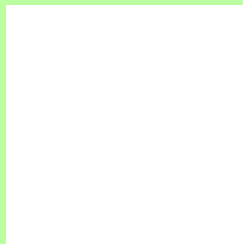
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.9321, 84.7846, 46.7664

Background



This preview shows how black text looks on a background with the XYZ color 62.9321, 84.7846, 46.7664.



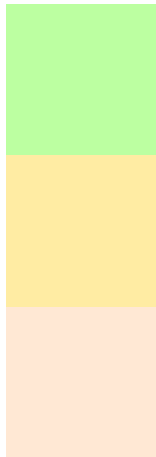
This preview shows how white text looks on a background with the XYZ color 62.9321, 84.7846,

46.7664.

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

62.9321, 84.7846, 46.7664

Protanopia

77.8463, 83.8952, 46.7408

Deuteranopia

81.9803, 83.7267, 74.1274



Tritanopia

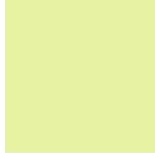
77.2369, 84.4267, 106.8329

Trichromacy



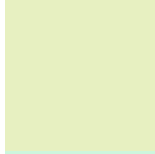
Original Color

62.9321, 84.7846, 46.7664



Protanomaly

71.5272, 83.6987, 46.5680



Deuteranomaly

73.7407, 83.1594, 62.6169



Tritanomaly

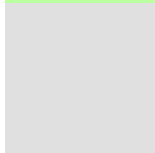
71.1837, 84.1111, 80.8899

Monochromacy



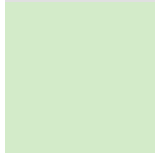
Original Color

62.9321, 84.7846, 46.7664



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1149, 77.4826, 66.6766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9321, 84.7846, 46.7664 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(188, 255, 161)` looks like.

```
.text, #text, p{  
    color:rgb(188, 255, 161)  
}
```

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(188, 255, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 255, 161) }
```

Border

The CSS property to change the border of an element to XYZ 62.9321, 84.7846, 46.7664 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(188, 255, 161) }
```


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

```
.border{ border-color:rgb(188, 255, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 255, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 255, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 255, 161); box-shadow:4px 4px 4px 4px rgb(188, 255, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9321, 84.7846, 46.7664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 255, 161) }
```

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

```
.background{ background-color: rgb(188,  
255, 161) }
```

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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