

Converting Colors

XYZ(115.5151, 190.3018,
61.7257)

Have a look what the booklet for
XYZ(115.5151, 190.3018, 61.7257)
contains.

XYZ(62.6627, 84.7054, 44.0574)	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(62.6627, 84.7054,
44.0574)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFF9B
RGB	189, 255, 155
RGB Percent	74%, 100%, 61%
CMY	0.2588, 0.0000, 0.3921
CMYK	0.26, 0.00, 0.39, 0.00
HSL	100°, 100%, 80%
HSV	100°, 39%, 100%
XYZ	62.6627, 84.7054, 44.0574
YIQ	223.8660, -7.2360, -45.0920

Conversions

Conversions Part 2

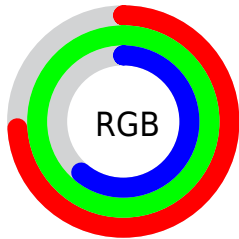
Format	Color
RYB	155, 255, 221
Decimal	12451739
CIELab	93.76, -37.92, 41.31
CIElCh	94, 56.070, 132.548
Yxy	84.7054, 0.3273, 0.4425
Android (android.graphics.Color)	4290641819 (0xFFBDF9B)
YUV	223.8660, -33.9509, -30.5775
Hunter-Lab	92.0355, -39.5299, 36.0428

Details

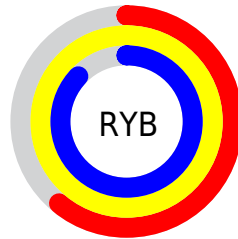
The XYZ color **62.6627, 84.7054, 44.0574** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.5912, 46.0361, 100.3528**, and the grayscale version is **70.9940, 74.6912, 81.3387**.

A 20% lighter version of the original color is **85.7506, 95.9473, 74.9729**, and **32.2652, 46.3340, 19.8132** is the 20% darker color. If you saturate the color by 10%, you get **56.8067, 81.9083, 33.7604**, and if you desaturate by 10%, it is **69.4563, 87.9335, 56.7611**.

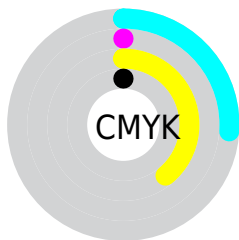
Distribution



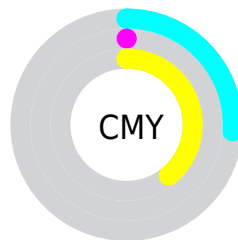
- Red (74%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (87%)



- Cyan (26%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)



- Cyan (26%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.6627, 84.7054, 44.0574 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 62.6627, 84.7054, 44.0574 by changing the saturation by 10% instead.


 62.6627, 84.7054,
44.0574


 62.6627, 84.7054,
44.0574


424.0235,
510.6527, 378.9907

 45.8260, 63.5980,
30.3781


 107.7673,
139.9615, 82.6075

 32.3126, 46.3251,
19.8713


 136.7659,
174.8790, 108.3154

 21.7571, 32.5025,
12.1184


170.5492,
215.1686, 138.8699

 13.7941, 21.7456,
6.7008

209.4826,
261.2148, 174.6896

 8.0583, 13.6701,
3.2001

253.9313,
313.4019, 216.1930

 4.1844, 7.8916,
1.1977

304.2608,

 1.8070, 4.0256,

372.1143, 263.7986

0.0000

360.8364,
437.7365, 317.9250

■ 0.5219, 1.6879,
0.0000

■ 0.0000, 0.4158,
0.0000

■ 62.6627, 84.7054,
44.0574

■ 62.6627, 84.7054,
44.0574

■ 56.8067, 81.9083,
33.7604

■ 69.4563, 87.9335,
56.7611

■ 51.8418, 79.5218,
25.7143

■ 77.2281, 91.6106,
72.0065

■ 47.7191, 77.5242,
19.7512

■ 86.0177, 95.7544,
89.9229

■ 44.3834, 75.8913,
15.6777

95.0500, 100.0000,
108.9000

■ 41.7717, 74.5956,
13.2645

■ 39.7973, 73.6000,
12.1662

■ 39.6623, 73.5317,
12.1026

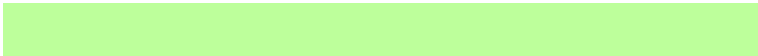
Harmonies

Analogous

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



74.4493, 84.7054, 33.1191



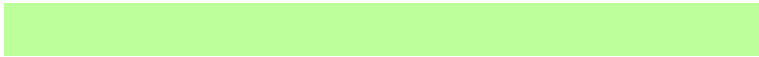
62.6627, 84.7054, 44.0574



56.1729, 84.7054, 69.7634

Triad

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



62.6627, 84.7054, 44.0574



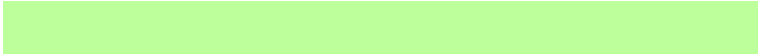
72.2266, 84.7054, 194.6276



111.8092, 84.7054, 75.5399

Complementary

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



62.6627, 84.7054, 44.0574



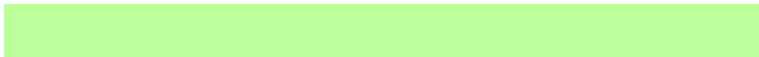
59.5912, 46.0361, 100.3528

Split Complementary

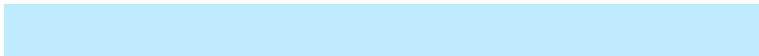
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



111.0221, 84.7054, 119.0656



62.6627, 84.7054, 44.0574



86.8909, 84.7054, 197.6293

Square

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



62.6627, 84.7054, 44.0574



61.2089, 84.7054, 159.5165



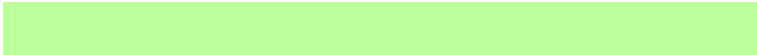
101.4599, 84.7054, 166.7694



103.4937, 84.7054, 47.1579

Rectangle

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



62.6627, 84.7054, 44.0574



55.1648, 84.7054, 95.9233



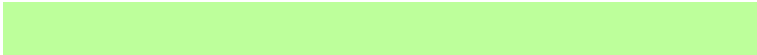
101.4599, 84.7054, 166.7694



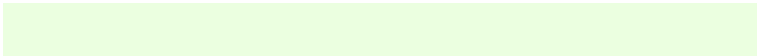
112.6271, 84.7054, 88.6323

Sweetspot

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



62.6631, 84.7056, 44.0587



83.4650, 94.5523, 84.6571



72.7501, 74.8136, 41.6177



17.6147, 20.1202, 17.6073



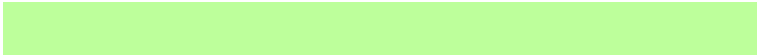
0.0000, 0.0000, 0.0000



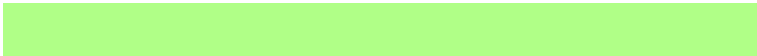
20.3446, 21.4041, 23.3091

Same Dimension

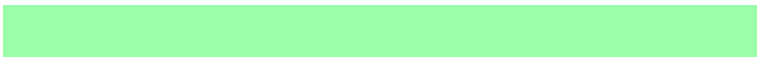
The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.6631, 84.7056, 44.0587



58.0251, 82.4917, 35.8413



56.5340, 81.3912, 50.7618



18.3537, 20.4682, 19.1278



20.8669, 38.4953, 6.3305



2.1431, 3.8056, 0.6216

Inverse Universe

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



59.5912, 46.0361, 100.3528



54.5402, 38.9240, 99.2462



68.6900, 50.9949, 88.6610



18.1577, 17.9730, 22.7621



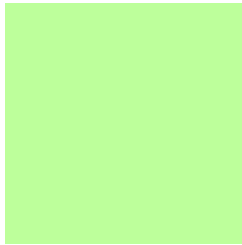
18.0692, 8.2255, 50.0699



1.8763, 0.8612, 4.8806

Previews

White Background



This preview shows how the XYZ color 62.6627, 84.7054, 44.0574 looks on a white background.

Color Contrast Check

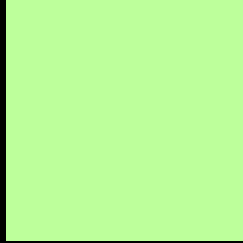
Large Text (above 18pt) WCAG AA × Fail

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 62.6627, 84.7054, 44.0574 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

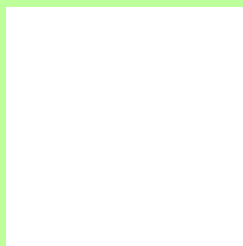
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.6627, 84.7054, 44.0574

Background



This preview shows how black text looks on a background with the XYZ color 62.6627, 84.7054, 44.0574.

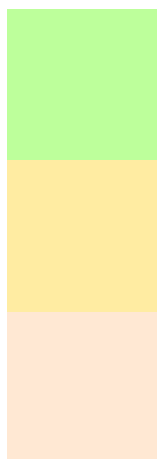


This preview shows how white text looks on a background with the XYZ color 62.6627, 84.7054,

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

62.6627, 84.7054, 44.0574

Protanopia

77.7570, 83.8595, 46.2707

Deuteranopia

81.8545, 83.6764, 73.4650



Tritanopia

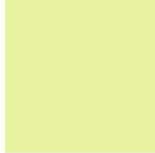
77.5296, 84.5777, 106.8466

Trichromacy



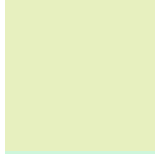
Original Color

62.6627, 84.7054, 44.0574



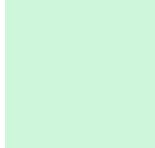
Protanomaly

71.2636, 83.5933, 45.1800



Deuteranomaly

73.5191, 83.0707, 61.4496



Tritanomaly

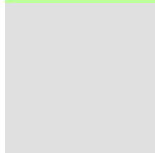
71.1955, 84.1478, 79.5076

Monochromacy



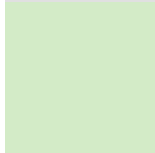
Original Color

62.6627, 84.7054, 44.0574



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

66.8811, 77.3891, 65.4454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6627, 84.7054, 44.0574 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(189, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 155)  
}
```

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(189, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 155) }
```

Border

The CSS property to change the border of an element to XYZ 62.6627, 84.7054, 44.0574 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(189, 255, 155) }
```


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

```
.border{ border-color:rgb(189, 255, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6627, 84.7054, 44.0574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 155) }
```

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

```
.background{ background-color: rgb(189,  
255, 155) }
```

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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