

Converting Colors

XYZ(61.2961, 83.8869, 44.9772)

Have a look what the booklet for
XYZ(61.2961, 83.8869, 44.9772)
contains.

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Color

**XYZ(61.3742, 84.0216,
44.8813)**

Conversions

Conversions Part 1

Format	Color
Hex	B7FF9D
RGB	183, 255, 157
RGB Percent	72%, 100%, 62%
CMY	0.2824, 0.0000, 0.3843
CMYK	0.28, 0.00, 0.38, 0.00
HSL	104°, 100%, 81%
HSV	104°, 38%, 100%
XYZ	61.3742, 84.0216, 44.8813
YIQ	222.3000, -11.4540, -45.7420

Conversions

Conversions Part 2

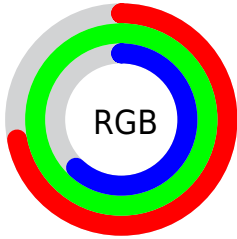
Format	Color
RYB	157, 255, 229
Decimal	12058525
CIELab	93.46, -39.64, 39.88
CIELCh	93, 56.231, 134.829
Yxy	84.0216, 0.3226, 0.4416
Android (android.graphics.Color)	4290248605 (0xFFB7FF9D)
YUV	222.3000, -32.1929, -34.4661
Hunter-Lab	91.6633, -40.8941, 35.1340

Details

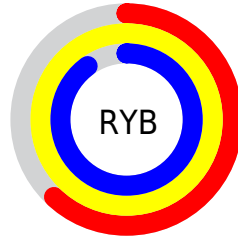
The XYZ color **61.3742, 84.0216, 44.8813** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.4213, 47.9933, 100.5814**, and the grayscale version is **69.8691, 73.5078, 80.0500**.

A 20% lighter version of the original color is **83.9193, 94.9742, 76.1962**, and **31.4452, 45.8997, 20.2989** is the 20% darker color. If you saturate the color by 10%, you get **55.2556, 81.0931, 34.3921**, and if you desaturate by 10%, it is **68.5412, 87.4379, 57.7936**.

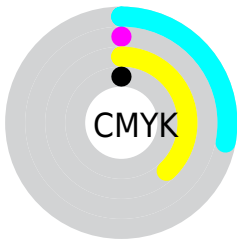
Distribution



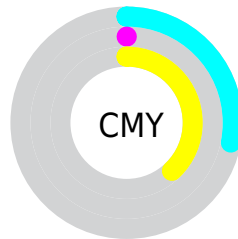
- Red (72%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (90%)



- Cyan (28%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.3742, 84.0216, 44.8813 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 61.3742, 84.0216, 44.8813 by changing the saturation by 10% instead.


 61.3742, 84.0216,
44.8813


 61.3742, 84.0216,
44.8813


419.3987,
508.3850, 382.4387

 44.7809, 63.0333,
31.0217


 105.9156,
139.0054, 83.8588

 31.4854, 45.8681,
20.3567


 134.5944,
173.7696, 109.8138

 21.1224, 32.1418,
12.4680

168.0325,
213.8947, 140.6376

 13.3265, 21.4698,
6.9368

206.5952,
259.7648, 176.7489

 7.7323, 13.4678,
3.3448

250.6478,
311.7645, 218.5661

 3.9745, 7.7515,
1.2733

300.5556,

 1.6877, 3.9363,

370.2782, 266.5077

0.0397

356.6842,
435.6902, 320.9924

■ 0.4486, 1.6380,
0.0000

■ 0.0000, 0.3830,
0.0000

■ 61.3742, 84.0216,
44.8813

■ 61.3742, 84.0216,
44.8813

■ 55.2556, 81.0931,
34.3921

■ 68.5412, 87.4379,
57.7936

■ 50.1324, 78.6287,
26.1710

■ 76.8034, 91.3634,
73.2632

■ 45.9485, 76.6030,
20.0513

■ 86.2060, 95.8185,
91.4192

■ 42.6413, 74.9878,
15.8414

95.0500, 100.0000,
108.9000

■ 40.1391, 73.7512,
13.3151

■ 38.3505, 72.8529,
12.1557

■ 38.1195, 72.7364,
12.0304

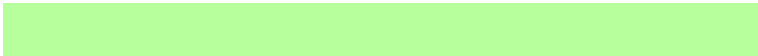
Harmonies

Analogous

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



72.7730, 84.0216, 33.0171



61.3742, 84.0216, 44.8813



55.3502, 84.0216, 71.7097

Triad

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



61.3742, 84.0216, 44.8813



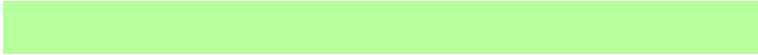
72.6181, 84.0216, 195.2814



110.7646, 84.0216, 72.1121

Complementary

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



61.3742, 84.0216, 44.8813



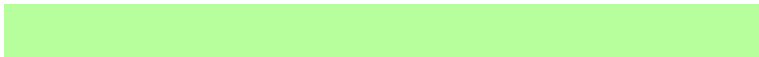
62.4213, 47.9933, 100.5814

Split Complementary

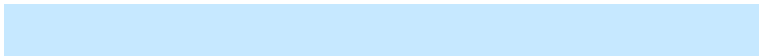
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.7096, 84.0216, 114.5983



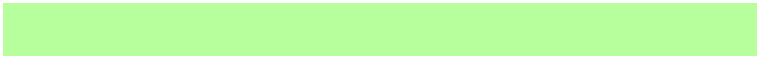
61.3742, 84.0216, 44.8813



87.3928, 84.0216, 195.4913

Square

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



61.3742, 84.0216, 44.8813



61.2729, 84.0216, 162.0928



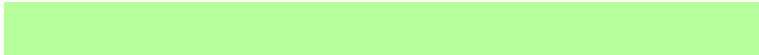
101.7285, 84.0216, 162.5998



101.8704, 84.0216, 45.0968

Rectangle

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



61.3742, 84.0216, 44.8813



54.6532, 84.0216, 98.5428



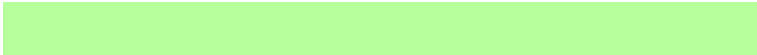
101.7285, 84.0216, 162.5998



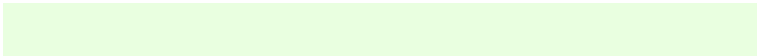
111.8246, 84.0216, 84.7730

Sweetspot

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



61.3746, 84.0218, 44.8826



82.7160, 94.1662, 84.6221



75.3087, 79.6597, 43.3062



17.4392, 20.0297, 17.5991



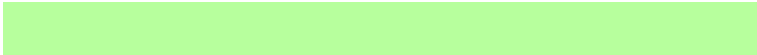
0.0000, 0.0000, 0.0000



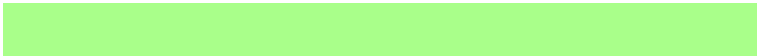
20.3446, 21.4041, 23.3091

Same Dimension

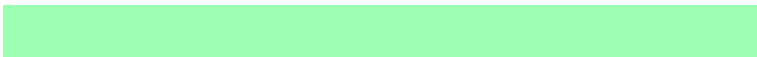
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.3746, 84.0218, 44.8826



56.6490, 81.7613, 36.7268



57.8900, 81.9783, 55.8822



18.2235, 20.4011, 19.1217



20.0374, 38.0677, 6.2917



2.0489, 3.7570, 0.6172

Inverse Universe

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



62.4213, 47.9933, 100.5814



57.7992, 41.1394, 99.5021



67.8820, 51.2087, 82.7502



18.2949, 18.0438, 22.7685



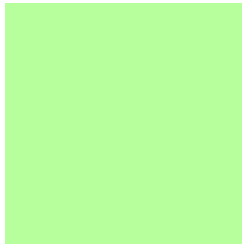
20.3334, 9.3928, 50.1759



2.0831, 0.9678, 4.8903

Previews

White Background



This preview shows how the XYZ color 61.3742, 84.0216, 44.8813 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 61.3742, 84.0216, 44.8813 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

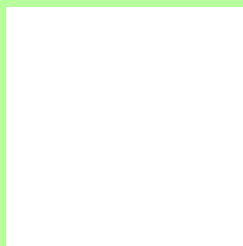
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.3742, 84.0216, 44.8813

Background



This preview shows how black text looks on a background with the XYZ color 61.3742, 84.0216, 44.8813.

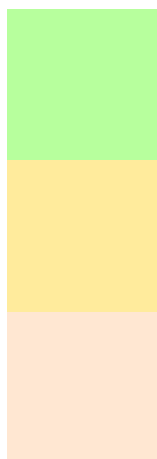


This preview shows how white text looks on a background with the XYZ color 61.3742, 84.0216,

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

61.3742, 84.0216, 44.8813

Protanopia

76.9491, 83.0770, 43.4323

Deuteranopia

81.4488, 83.0650, 72.7131



Tritanopia

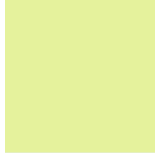
76.0836, 83.8322, 106.7789

Trichromacy



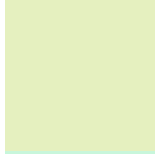
Original Color

61.3742, 84.0216, 44.8813



Protanomaly

70.0660, 82.5626, 43.6958



Deuteranomaly

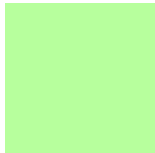
72.8772, 82.7398, 61.4196



Tritanomaly

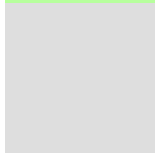
69.5614, 83.3054, 79.4311

Monochromacy



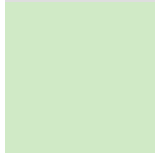
Original Color

61.3742, 84.0216, 44.8813



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.6283, 76.3328, 64.7008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3742, 84.0216, 44.8813 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, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(183, 255, 157)  
}
```

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, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 61.3742, 84.0216, 44.8813 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, 255, 157) }
```


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

```
.border{ border-color:rgb(183, 255, 157) }
```

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

Here you see how a box with a 4 pixel rgb(183, 255, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 255, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 255, 157);  
box-shadow:4px 4px 4px 4px rgb(183, 255,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3742, 84.0216, 44.8813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 255, 157) }
```

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

```
.background{ background-color: rgb(183,  
255, 157) }
```

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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