

Converting Colors

XYZ(63.3125, 89.1628, 47.8970)

Have a look what the booklet for
XYZ(63.3125, 89.1628, 47.8970)
contains.

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Color

**XYZ(60.4130, 83.4757,
47.1107)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FFA2
RGB	177, 255, 162
RGB Percent	69%, 100%, 64%
CMY	0.3059, 0.0000, 0.3647
CMYK	0.31, 0.00, 0.36, 0.00
HSL	110°, 100%, 82%
HSV	110°, 36%, 100%
XYZ	60.4130, 83.4757, 47.1107
YIQ	221.0760, -16.6350, -45.4590

Conversions

Conversions Part 2

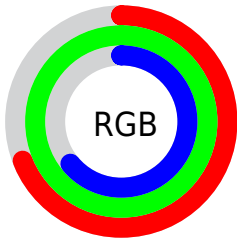
Format	Color
RYB	162, 255, 240
Decimal	11665314
CIELab	93.22, -40.89, 37.05
CIELCh	93, 55.173, 137.821
Yxy	83.4757, 0.3163, 0.4370
Android (android.graphics.Color)	4289855394 (0xFFB1FFA2)
YUV	221.0760, -29.1245, -38.6547
Hunter-Lab	91.3650, -41.8599, 33.3837

Details

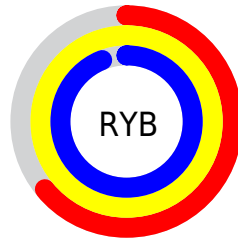
The XYZ color **60.4130, 83.4757, 47.1107** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **66.9066, 51.5872, 101.0387**, and the grayscale version is **68.9867, 72.5794, 79.0390**.

A 20% lighter version of the original color is **82.6758, 94.2441, 80.1631**, and **30.8396, 45.5572, 21.6360** is the 20% darker color. If you saturate the color by 10%, you get **53.8753, 80.3413, 36.1482**, and if you desaturate by 10%, it is **68.1747, 87.1880, 60.5321**.

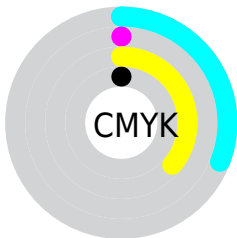
Distribution



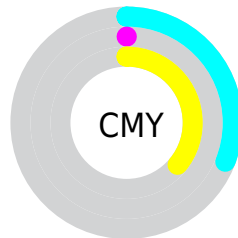
- Red (69%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (94%)



- Cyan (31%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.4130, 83.4757, 47.1107 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 60.4130, 83.4757, 47.1107 by changing the saturation by 10% instead.


 60.4130, 83.4757,
47.1107


 60.4130, 83.4757,
47.1107


415.9288,
506.5705, 391.6628

 44.0023, 62.5827,
32.7682


 104.5315,
138.2415, 87.2306

 30.8703, 45.5037,
21.6793


 132.9700,
172.8831, 113.8450

 20.6514, 31.8543,
13.4254


166.1486,
212.8763, 145.3871

 12.9805, 21.2503,
7.5879

204.4325,
258.6055, 182.2756

 7.4920, 13.3071,
3.7485

248.1871,
310.4551, 224.9288

 3.8207, 7.6403,
1.4884

297.7778,

 1.6012, 3.8657,

368.8096, 273.7654

0.2093

353.5699,
434.0533, 329.2039

■ 0.3932, 1.5987,
0.0000

■ 0.0000, 0.3567,
0.0000

■ 60.4130, 83.4757,
47.1107

■ 60.4130, 83.4757,
47.1107

■ 53.8753, 80.3413,
36.1482

■ 68.1747, 87.1880,
60.5321

■ 48.4969, 77.7547,
27.4918

■ 77.2179, 91.5049,
76.5449

■ 44.2090, 75.6839,
20.9778

■ 87.5980, 96.4521,
95.2769

■ 40.9346, 74.0934,
16.4193

95.0500, 100.0000,
108.9000

■ 38.5864, 72.9429,
13.5973

■ 37.0604, 72.1847,
12.2383

■ 36.6794, 71.9940,
11.9630

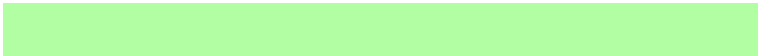
Harmonies

Analogous

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



71.1066, 83.4757, 34.0773



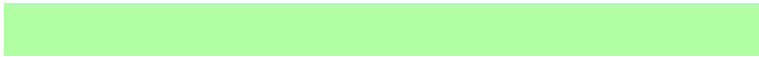
60.4130, 83.4757, 47.1107



55.0786, 83.4757, 75.0578

Triad

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



60.4130, 83.4757, 47.1107



73.6008, 83.4757, 193.4799



108.9703, 83.4757, 68.5679

Complementary

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



60.4130, 83.4757, 47.1107



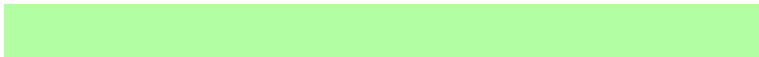
66.9066, 51.5872, 101.0387

Split Complementary

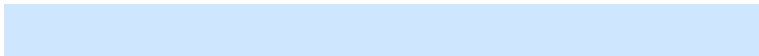
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



109.8508, 83.4757, 108.8072



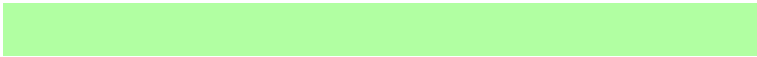
60.4130, 83.4757, 47.1107



88.1881, 83.4757, 190.1311

Square

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



60.4130, 83.4757, 47.1107



62.0466, 83.4757, 163.8760



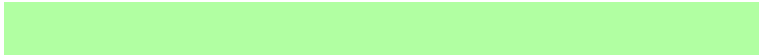
101.8598, 83.4757, 155.7754



99.5833, 83.4757, 43.6128

Rectangle

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



60.4130, 83.4757, 47.1107



54.7904, 83.4757, 102.2016



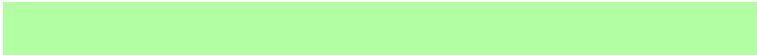
101.8598, 83.4757, 155.7754



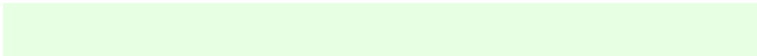
110.3089, 83.4757, 80.4470

Sweetspot

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



60.4135, 83.4759, 47.1120



82.7264, 94.1312, 86.4459



78.7750, 85.8952, 46.6112



17.4065, 20.0048, 17.9612



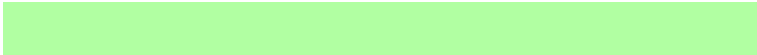
0.0000, 0.0000, 0.0000



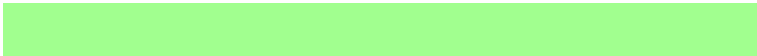
20.3446, 21.4041, 23.3091

Same Dimension

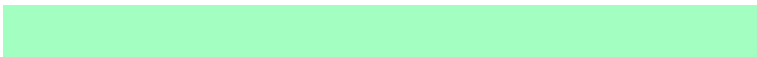
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.4135, 83.4759, 47.1120



55.3796, 81.0633, 38.6352



60.2867, 83.0520, 63.3063



18.0444, 20.3088, 19.1133



19.2458, 37.6596, 6.2547



1.9480, 3.7050, 0.6125

Inverse Universe

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



66.9066, 51.5872, 101.0387



62.7358, 44.7931, 99.9471



67.6155, 52.4835, 77.0882



18.4881, 18.1434, 22.7775



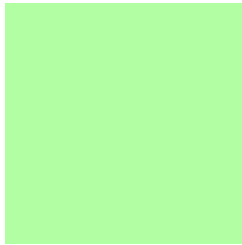
24.0101, 11.2881, 50.3479



2.4113, 1.1370, 4.9056

Previews

White Background



This preview shows how the XYZ color 60.4130, 83.4757, 47.1107 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 60.4130, 83.4757, 47.1107 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 60.4130, 83.4757, 47.1107

Background



This preview shows how black text looks on a background with the XYZ color 60.4130, 83.4757, 47.1107.

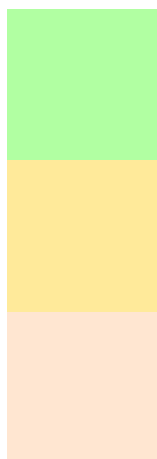


This preview shows how white text looks on a background with the XYZ color 60.4130, 83.4757,

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

60.4130, 83.4757, 47.1107

Protanopia

76.4956, 82.4387, 42.4524

Deuteranopia

81.0454, 82.4571, 71.9659



Tritanopia

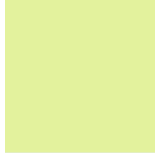
74.9589, 83.2524, 106.7263

Trichromacy



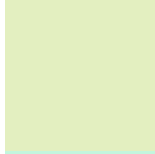
Original Color

60.4130, 83.4757, 47.1107



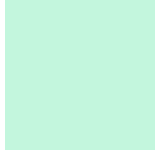
Protanomaly

69.5165, 82.2695, 44.1140



Deuteranomaly

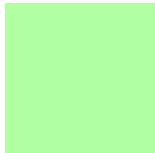
72.0595, 81.8697, 61.8737



Tritanomaly

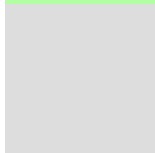
68.5126, 82.7341, 80.7649

Monochromacy



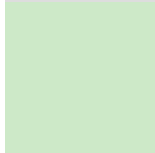
Original Color

60.4130, 83.4757, 47.1107



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

64.7411, 75.4271, 65.7902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.4130, 83.4757, 47.1107 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(177, 255, 162)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 162)  
}
```

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(177, 255, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 162) }
```

Border

The CSS property to change the border of an element to XYZ 60.4130, 83.4757, 47.1107 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(177, 255, 162) }
```


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

```
.border{ border-color:rgb(177, 255, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 255, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 255, 162); box-shadow:4px 4px 4px 4px rgb(177, 255, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 60.4130, 83.4757, 47.1107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 162) }
```

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

```
.background{ background-color: rgb(177,  
255, 162) }
```

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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