

Converting Colors

XYZ(77.4544, 117.4069,
65.8778)

Have a look what the booklet for
XYZ(77.4544, 117.4069, 65.8778)
contains.

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Color

**XYZ(60.3542, 83.1502,
60.4455)**

Conversions

Conversions Part 1

Format	Color
Hex	A5FFBC
RGB	165, 255, 188
RGB Percent	65%, 100%, 74%
CMY	0.3529, 0.0000, 0.2627
CMYK	0.35, 0.00, 0.26, 0.00
HSL	135°, 100%, 82%
HSV	135°, 35%, 100%
XYZ	60.3542, 83.1502, 60.4455
YIQ	220.4520, -32.1330, -39.9170

Conversions

Conversions Part 2

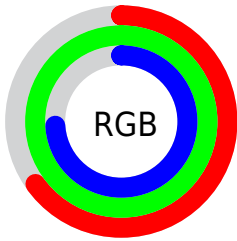
Format	Color
RYB	165, 237, 255
Decimal	10878908
CIELab	93.08, -40.41, 23.70
CIElCh	93, 46.847, 149.615
Yxy	83.1502, 0.2959, 0.4077
Android (android.graphics.Color)	4289068988 (0xFFA5FFBC)
YUV	220.4520, -15.9988, -48.6314
Hunter-Lab	91.1867, -41.4321, 24.5288

Details

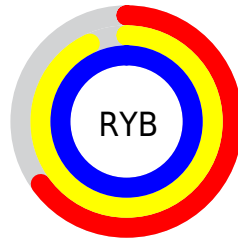
The XYZ color **60.3542, 83.1502, 60.4455** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.2609, 53.9972, 83.1158**, and the grayscale version is **68.4676, 72.0332, 78.4442**.

A 20% lighter version of the original color is **82.2133, 93.5812, 99.3178**, and **30.8038, 45.3606, 29.6862** is the 20% darker color. If you saturate the color by 10%, you get **53.6547, 79.9176, 50.1433**, and if you desaturate by 10%, it is **68.3815, 87.0362, 72.2177**.

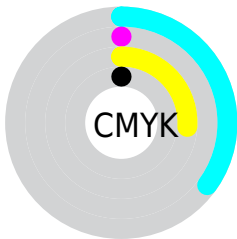
Distribution



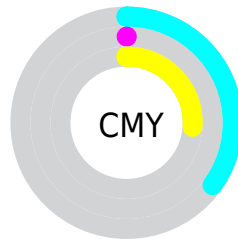
- Red (65%)
- Green (100%)
- Blue (74%)



- Red (65%)
- Yellow (93%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.3542, 83.1502, 60.4455 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 60.3542, 83.1502, 60.4455 by changing the saturation by 10% instead.

 60.3542, 83.1502,
60.4455


 60.3542, 83.1502,
60.4455


415.7160,
505.4870, 444.0881

 43.9547, 62.3141,
43.3502


 104.4467,
137.7858, 107.0253

 30.8327, 45.2865,
29.8265


 132.8705,
172.3541, 137.3469

 20.6227, 31.6832,
19.4560


166.0331,
212.2685, 172.9144

 12.9594, 21.1196,
11.8201

204.2999,
257.9135, 214.1462

 7.4774, 13.2115,
6.5003

248.0362,
309.6734, 261.4609

 3.8114, 7.5743,
3.0779

297.6075,

 1.5960, 3.8238,

367.9327, 315.2771

1.1346

353.3789,
433.0758, 376.0133

0.3898, 1.5755,
0.0000

0.0000, 0.3410,
0.0000

60.3542, 83.1502,
60.4455

60.3542, 83.1502,
60.4455

53.6547, 79.9176,
50.1433

68.3815, 87.0362,
72.2177

48.2076, 77.3007,
41.2491

77.8026, 91.6085,
85.5104

43.9325, 75.2594,
33.7026

88.6813, 96.8989,
100.3768

40.7385, 73.7482,
27.4373

95.0500, 100.0000,
108.9000

■ 38.5207, 72.7145,
22.3811

■ 37.1512, 72.0940,
18.4543

■ 36.7190, 71.9036,
16.9702

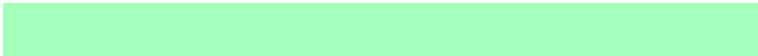
Harmonies

Analogous

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



67.9230, 83.1502, 43.5358



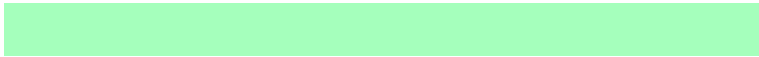
60.3542, 83.1502, 60.4455



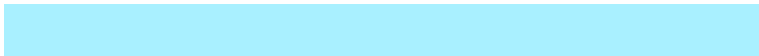
57.6840, 83.1502, 90.0824

Triad

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



60.3542, 83.1502, 60.4455



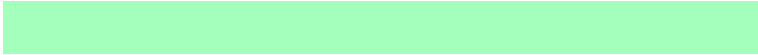
78.8731, 83.1502, 176.4436



101.4000, 83.1502, 61.0492

Complementary

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



60.3542, 83.1502, 60.4455



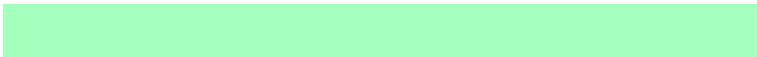
69.2609, 53.9972, 83.1158

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.



105.0870, 83.1502, 90.9920



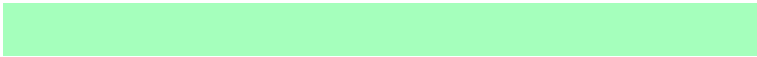
60.3542, 83.1502, 60.4455



91.2902, 83.1502, 163.0123

Square

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



60.3542, 83.1502, 60.4455



67.6747, 83.1502, 162.3401



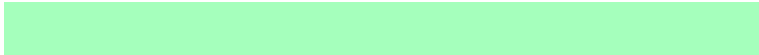
101.2126, 83.1502, 129.2509



91.5933, 83.1502, 43.8155

Rectangle

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



60.3542, 83.1502, 60.4455



58.8020, 83.1502, 115.2008



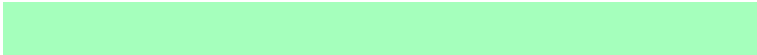
101.2126, 83.1502, 129.2509



103.4387, 83.1502, 69.6705

Sweetspot

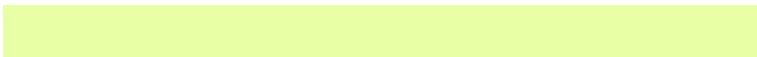
The Sweet Spot groups the original color and five complimentary colors.



60.3548, 83.1505, 60.4468



82.2911, 93.7901, 91.6973



75.9931, 91.4764, 49.2497



17.3040, 19.9244, 19.2020



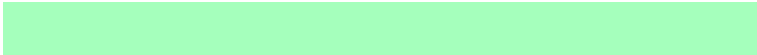
0.0000, 0.0000, 0.0000



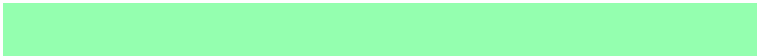
20.3446, 21.4041, 23.3091

Same Dimension

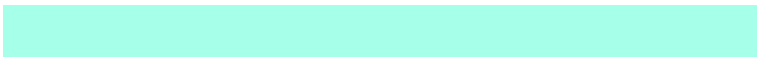
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.3548, 83.1505, 60.4468



55.7192, 80.9124, 53.3780



65.9142, 85.3742, 89.7220



17.9620, 20.2443, 20.1030



19.2371, 37.5915, 9.1341



1.9151, 3.6769, 1.1105

Inverse Universe

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



69.2609, 53.9972, 83.1158



65.7664, 47.9893, 78.9257



63.7189, 51.7804, 53.9319



18.5827, 18.2164, 21.6857



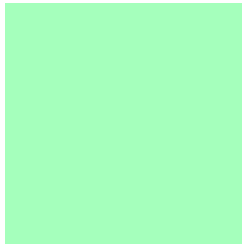
26.4594, 13.0730, 26.8672



2.6205, 1.2906, 2.8490

Previews

White Background



This preview shows how the XYZ color 60.3542, 83.1502, 60.4455 looks on a white background.

Color Contrast Check

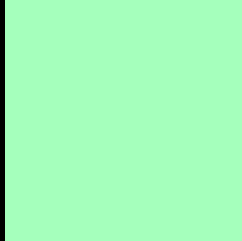
Large Text (above 18pt) WCAG AA × Fail

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 60.3542, 83.1502, 60.4455 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 60.3542, 83.1502, 60.4455

Background



This preview shows how black text looks on a background with the XYZ color 60.3542, 83.1502, 60.4455.



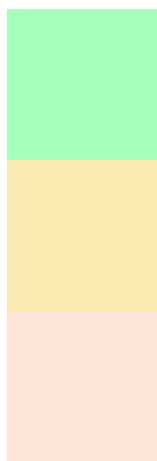
This preview shows how white text looks on a background with the XYZ color 60.3542, 83.1502,

60.4455.

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

60.3542, 83.1502, 60.4455

Protanopia

76.8830, 82.3840, 53.9690

Deuteranopia

81.2696, 82.1027, 74.5148



Tritanopia

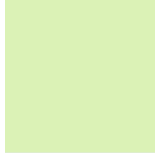
73.3247, 82.4100, 106.6498

Trichromacy



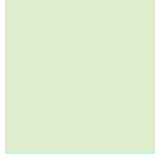
Original Color

60.3542, 83.1502, 60.4455



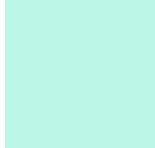
Protanomaly

69.4090, 81.9417, 56.4141



Deuteranomaly

71.5978, 81.0383, 68.9951



Tritanomaly

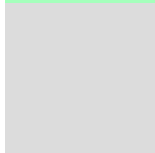
67.8731, 82.2459, 87.8991

Monochromacy



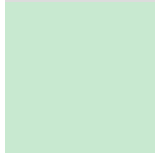
Original Color

60.3542, 83.1502, 60.4455



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.3435, 75.1113, 70.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.3542, 83.1502, 60.4455 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(165, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 188)  
}
```

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(165, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 188) }
```

Border

The CSS property to change the border of an element to XYZ 60.3542, 83.1502, 60.4455 is called "border". The border property can be set on classes, ids or directly on the HTML element.

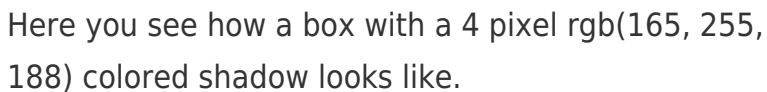
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 255, 188) }
```


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

```
.border{ border-color:rgb(165, 255, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 255, 188); box-shadow:4px 4px 4px 4px rgb(165, 255, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 60.3542, 83.1502, 60.4455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 188) }
```

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

```
.background{ background-color: rgb(165,  
255, 188) }
```

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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