

Converting Colors

XYZ(58.4887, 80.8139, 50.5603)

Have a look what the booklet for
XYZ(58.4887, 80.8139, 50.5603)
contains.

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Color

**XYZ(58.6437, 81.0691,
50.5873)**

Conversions

Conversions Part 1

Format	Color
Hex	AAFCAA
RGB	170, 252, 170
RGB Percent	67%, 99%, 67%
CMY	0.3333, 0.0117, 0.3333
CMYK	0.33, 0.00, 0.33, 0.01
HSL	120°, 93%, 83%
HSV	120°, 33%, 99%
XYZ	58.6437, 81.0691, 50.5873
YIQ	218.1340, -22.5500, -42.8860

Conversions

Conversions Part 2

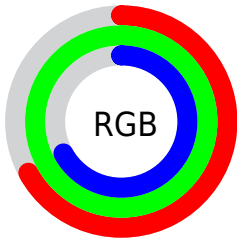
Format	Color
RYB	170, 252, 252
Decimal	11205802
CIELab	92.16, -40.56, 31.58
CIELCh	92, 51.404, 142.089
Yxy	81.0691, 0.3082, 0.4260
Android (android.graphics.Color)	4289395882 (0xFFAAFCAA)
YUV	218.1340, -23.7301, -42.2135
Hunter-Lab	90.0384, -41.3067, 29.7153

Details

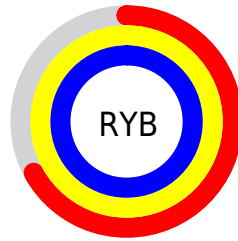
The XYZ color **58.6437, 81.0691, 50.5873** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **72.0930, 56.4749, 99.1997**, and the grayscale version is **66.9045, 70.3887, 76.6533**.

A 20% lighter version of the original color is **81.1660, 93.3419, 85.6904**, and **29.7962, 43.9594, 23.7442** is the 20% darker color. If you saturate the color by 10%, you get **51.5496, 77.6639, 38.9819**, and if you desaturate by 10%, it is **67.2431, 85.2023, 64.6516**.

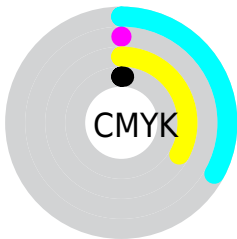
Distribution



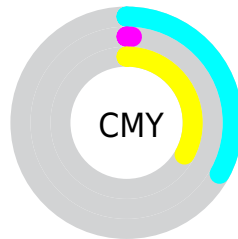
- Red (67%)
- Green (99%)
- Blue (67%)



- Red (67%)
- Yellow (99%)
- Blue (99%)



- Cyan (33%)
- Magenta (0%)
- Yellow (33%)
- Black (1%)





- Cyan (33%)
- Magenta (1%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6437, 81.0691, 50.5873 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 58.6437, 81.0691, 50.5873 by changing the saturation by 10% instead.


 58.6437, 81.0691,
50.5873

 58.6437, 81.0691,
50.5873

409.4955,
498.5285, 405.7589

 42.5716, 60.5985,
35.5058


 101.9772,
134.8678, 92.4497

 29.7422, 43.9012,
23.7661


129.9694,
168.9647, 120.0677

 19.7901, 30.5929,
14.9496


162.6657,
208.3725, 152.7016

 12.3499, 20.2890,
8.6378

200.4313,
253.4755, 190.7700

 7.0564, 12.6053,
4.4121

243.6318,
304.6583, 234.6913

 3.5440, 7.1573,
1.8541


292.6324,


 1.4476, 3.5607,


362.3051, 284.8843


0.4633


347.7986,
426.8004, 341.7673

 0.2897, 1.4310,
0.0000


 0.0000, 0.2394,
0.0000


 58.6437, 81.0691,
50.5873


 58.6437, 81.0691,
50.5873


 51.5496, 77.6639,
38.9819

 67.2431, 85.2023,
64.6516


 45.8685, 74.9349,
29.6894

 77.4208, 90.0911,
81.2990

 41.5077, 72.8402,
22.5564

 89.2525, 95.7745,
100.6519

 38.3608, 71.3286,
17.4091

 94.1020, 98.1039,
108.5840

■ 36.3053, 70.3413,
14.0468

■ 35.1925, 69.8067,
12.2265

■ 34.8120, 69.6239,
11.6041

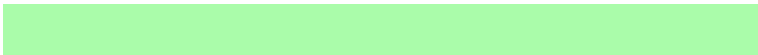
Harmonies

Analogous

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



67.8614, 81.0691, 36.4385



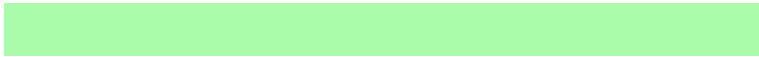
58.6437, 81.0691, 50.5873



54.4656, 81.0691, 78.5998

Triad

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



58.6437, 81.0691, 50.5873



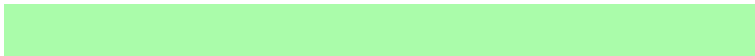
73.5986, 81.0691, 182.1053



103.1654, 81.0691, 63.5687

Complementary

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



58.6437, 81.0691, 50.5873



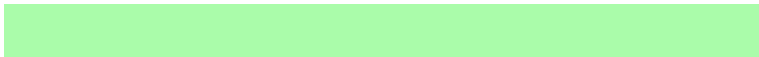
72.0930, 56.4749, 99.1997

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.



105.1558, 81.0691, 98.7035



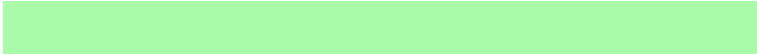
58.6437, 81.0691, 50.5873



87.0409, 81.0691, 174.6529

Square

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



58.6437, 81.0691, 50.5873



62.4302, 81.0691, 159.2919



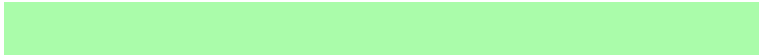
98.9623, 81.0691, 141.1461



93.7992, 81.0691, 42.2973

Rectangle

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



58.6437, 81.0691, 50.5873



54.7219, 81.0691, 104.4565



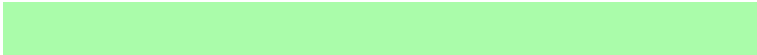
98.9623, 81.0691, 141.1461



104.7594, 81.0691, 73.8493

Sweetspot

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



58.6458, 81.0725, 50.5891



82.4457, 93.9455, 88.2835



82.2145, 93.2227, 51.6915



17.2975, 19.9404, 18.3250



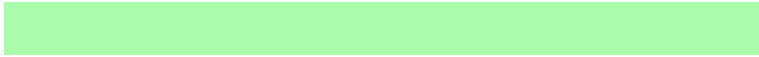
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

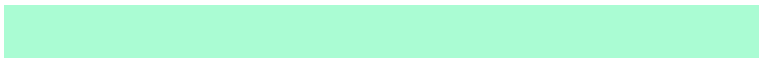
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.6458, 81.0725, 50.5891



55.3462, 80.9282, 43.9574



63.1481, 82.8735, 74.2980



17.0175, 19.3093, 18.2926



18.1331, 36.2663, 6.0445



1.6794, 3.3589, 0.5598

Inverse Universe

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



72.0930, 56.4749, 99.1997



71.1029, 52.1061, 100.9165



66.2800, 54.1497, 68.5887



17.9931, 17.5246, 21.8195



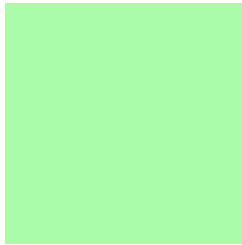
30.0644, 14.4415, 49.1750



2.7845, 1.3375, 4.5545

Previews

White Background



This preview shows how the XYZ color 58.6437, 81.0691, 50.5873 looks on a white background.

Color Contrast Check

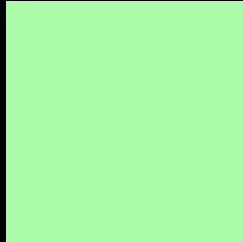
Large Text (above 18pt) WCAG AA × Fail

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 58.6437, 81.0691, 50.5873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

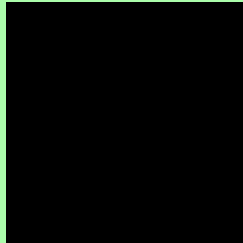
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

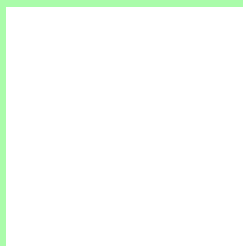
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.6437, 81.0691, 50.5873

Background



This preview shows how black text looks on a background with the XYZ color 58.6437, 81.0691, 50.5873.

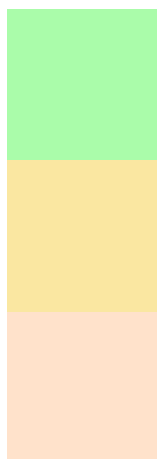


This preview shows how white text looks on a background with the XYZ color 58.6437, 81.0691,

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

58.6437, 81.0691, 50.5873

Protanopia

74.4333, 80.0490, 45.2462

Deuteranopia

79.2158, 79.9645, 67.7595



Tritanopia

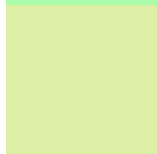
71.6815, 80.6888, 106.4042

Trichromacy



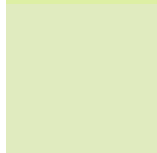
Original Color

58.6437, 81.0691, 50.5873



Protanomaly

67.3861, 79.7855, 46.9705



Deuteranomaly

69.8528, 79.0255, 60.8620



Tritanomaly

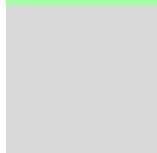
66.2987, 80.6480, 82.5933

Monochromacy



Original Color

58.6437, 81.0691, 50.5873



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.9268, 73.2282, 66.0762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6437, 81.0691, 50.5873 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(170, 252, 170)` looks like.

```
.text, #text, p{  
    color:rgb(170, 252, 170)  
}
```

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(170, 252, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 252, 170) }
```

Border

The CSS property to change the border of an element to XYZ 58.6437, 81.0691, 50.5873 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(170, 252, 170) }
```


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

```
.border{ border-color:rgb(170, 252, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 252, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(170, 252, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(170, 252, 170); box-shadow:4px 4px 4px 4px rgb(170, 252, 170) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6437, 81.0691, 50.5873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 252, 170) }
```

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

```
.background{ background-color: rgb(170,  
252, 170) }
```

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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