

Converting Colors

XYZ(67.9516, 101.2980,
44.5260)

Have a look what the booklet for
XYZ(67.9516, 101.2980, 44.5260)
contains.

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Color

**XYZ(58.6404, 82.6886,
41.3036)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFF95
RGB	174, 255, 149
RGB Percent	68%, 100%, 58%
CMY	0.3176, 0.0000, 0.4157
CMYK	0.32, 0.00, 0.42, 0.00
HSL	106°, 100%, 79%
HSV	106°, 42%, 100%
XYZ	58.6404, 82.6886, 41.3036
YIQ	218.6970, -14.2500, -50.1380

Conversions

Conversions Part 2

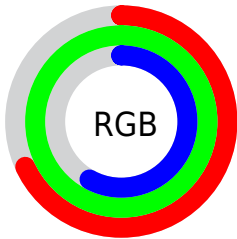
Format	Color
RYB	149, 255, 230
Decimal	11468693
CIELab	92.88, -43.65, 42.94
CIELCh	93, 61.230, 135.467
Yxy	82.6886, 0.3211, 0.4528
Android (android.graphics.Color)	4289658773 (0xFFAEFF95)
YUV	218.6970, -34.3606, -39.1993
Hunter-Lab	90.9333, -44.0234, 36.7227

Details

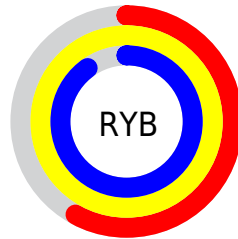
The XYZ color **58.6404, 82.6886, 41.3036** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.4318, 45.5392, 100.1599**, and the grayscale version is **67.3593, 70.8672, 77.1744**.

A 20% lighter version of the original color is **79.9378, 93.0354, 70.8712**, and **29.7766, 45.0842, 18.1991** is the 20% darker color. If you saturate the color by 10%, you get **52.7913, 79.8833, 31.5410**, and if you desaturate by 10%, it is **65.5658, 85.9972, 53.4454**.

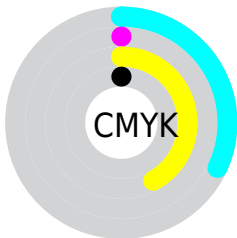
Distribution



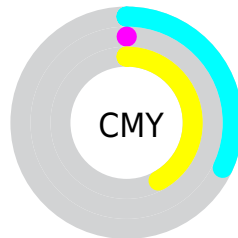
- Red (68%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (90%)



- Cyan (32%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)





- Cyan (32%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6404, 82.6886, 41.3036 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 58.6404, 82.6886, 41.3036 by changing the saturation by 10% instead.


 58.6404, 82.6886,
41.3036


 58.6404, 82.6886,
41.3036


409.4835,
503.9481, 367.3021

 42.5690, 61.9333,
28.2349


 101.9725,
137.1392, 78.4032

 29.7401, 44.9788,
18.2622


 129.9638,
171.6034, 103.2712

 19.7885, 31.4407,
10.9670

162.6591,
211.4059, 132.9094

 12.3488, 20.9347,
5.9308

200.4239,
256.9312, 167.7363

 7.0556, 13.0763,
2.7349

243.6233,
308.5636, 208.1705

 3.5435, 7.4811,
0.9609


292.6228,


 1.4473, 3.7647,


366.6877, 254.6305


0.0000


347.7878,
431.6877, 307.5348

 0.2895, 1.5429,
0.0000


 0.0000, 0.3186,
0.0000


 58.6404, 82.6886,
41.3036


 58.6404, 82.6886,
41.3036


 52.7913, 79.8833,
31.5410


 65.5658, 85.9972,
53.4454


 47.9610, 77.5551,
23.9978

 73.6185, 89.8324,
68.1047

 44.0879, 75.6762,
18.5006

 82.8474, 94.2165,
85.4135

 41.1029, 74.2151,
14.8482

 93.2983, 99.1705,
105.4937

■ 38.9260, 73.1360, 95.0500, 100.0000,
12.7992 108.9000

■ 37.6318, 72.4850,
12.0076

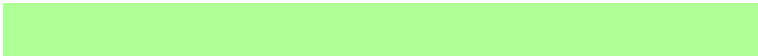
Harmonies

Analogous

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



70.6712, 82.6886, 29.0194



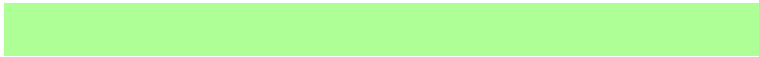
58.6404, 82.6886, 41.3036



52.4176, 82.6886, 69.6868

Triad

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



58.6404, 82.6886, 41.3036



71.1238, 82.6886, 205.0767



112.1255, 82.6886, 68.5227

Complementary

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



58.6404, 82.6886, 41.3036



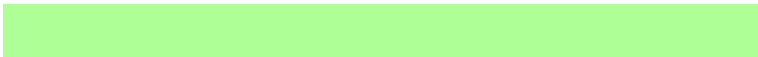
61.4318, 45.5392, 100.1599

Split Complementary

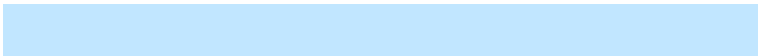
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.2902, 82.6886, 113.9996



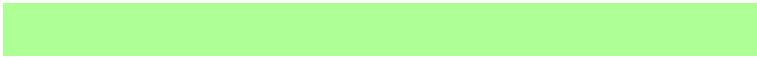
58.6404, 82.6886, 41.3036



87.0858, 82.6886, 204.4333

Square

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



58.6404, 82.6886, 41.3036



58.9329, 82.6886, 168.5711



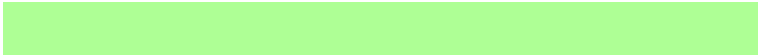
102.6247, 82.6886, 167.0315



102.2013, 82.6886, 40.7019

Rectangle

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



58.6404, 82.6886, 41.3036



51.7757, 82.6886, 98.6917



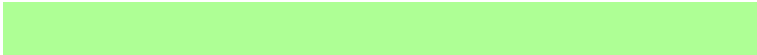
102.6247, 82.6886, 167.0315



113.3646, 82.6886, 81.8977

Sweetspot

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



58.6408, 82.6888, 41.3049



82.4232, 94.0153, 84.6084



74.5464, 79.1927, 39.7917



17.3707, 19.9944, 17.5959



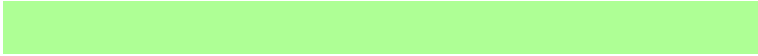
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

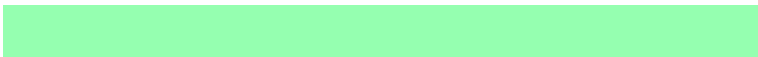
The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.6408, 82.6888, 41.3049



53.6393, 80.2908, 32.9205



55.9423, 81.0248, 53.5074



18.1725, 20.3748, 19.1193



19.7721, 37.9310, 6.2793



2.0169, 3.7405, 0.6157

Inverse Universe

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



61.4318, 45.5392, 100.1599



56.7340, 38.5247, 99.0535



66.0611, 48.3851, 79.6212



18.3493, 18.0718, 22.7710



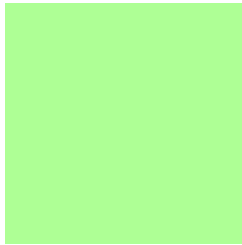
21.3116, 9.8970, 50.2217



2.1713, 1.0132, 4.8944

Previews

White Background



This preview shows how the XYZ color 58.6404, 82.6886, 41.3036 looks on a white background.

Color Contrast Check

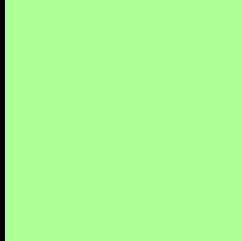
Large Text (above 18pt) WCAG AA × Fail

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 58.6404, 82.6886, 41.3036 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

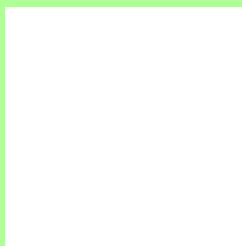
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.6404, 82.6886, 41.3036

Background



This preview shows how black text looks on a background with the XYZ color 58.6404, 82.6886, 41.3036.



This preview shows how white text looks on a background with the XYZ color 58.6404, 82.6886,

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

58.6404, 82.6886, 41.3036

Protanopia

75.6207, 82.0888, 37.8457

Deuteranopia

80.1584, 81.6583, 68.6636



Tritanopia

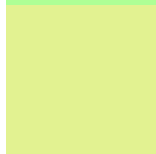
73.8387, 82.2367, 106.5893

Trichromacy



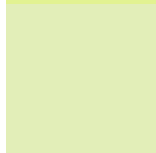
Original Color

58.6404, 82.6886, 41.3036



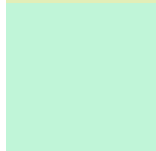
Protanomaly

68.2270, 81.7173, 38.9651



Deuteranomaly

70.5903, 80.7785, 57.2187



Tritanomaly

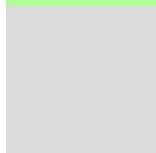
66.7853, 81.4692, 77.1709

Monochromacy



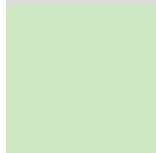
Original Color

58.6404, 82.6886, 41.3036



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.2228, 74.3048, 62.0490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6404, 82.6886, 41.3036 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(174, 255, 149)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 149)  
}
```

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(174, 255, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 149) }
```

Border

The CSS property to change the border of an element to XYZ 58.6404, 82.6886, 41.3036 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(174, 255, 149) }
```


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

```
.border{ border-color:rgb(174, 255, 149) }
```

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

Here you see how a box with a 4 pixel rgb(174, 255, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 149);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6404, 82.6886, 41.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 255, 149) }
```

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

```
.background{ background-color: rgb(174,  
255, 149) }
```

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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