

Converting Colors

XYZ(59.3559, 83.0633, 41.0747)

Have a look what the booklet for
XYZ(59.3559, 83.0633, 41.0747)
contains.

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Color

**XYZ(59.2368, 83.0052,
40.9165)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FF94
RGB	177, 255, 148
RGB Percent	69%, 100%, 58%
CMY	0.3059, 0.0000, 0.4196
CMYK	0.31, 0.00, 0.42, 0.00
HSL	104°, 100%, 79%
HSV	104°, 42%, 100%
XYZ	59.2368, 83.0052, 40.9165
YIQ	219.4800, -12.1410, -49.8130

Conversions

Conversions Part 2

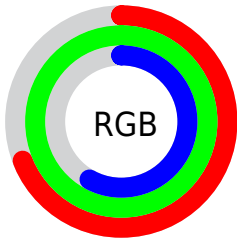
Format	Color
RYB	148, 255, 226
Decimal	11665300
CIELab	93.02, -42.81, 43.63
CIELCh	93, 61.127, 134.452
Yxy	83.0052, 0.3234, 0.4532
Android (android.graphics.Color)	4289855380 (0xFFB1FF94)
YUV	219.4800, -35.2396, -37.2550
Hunter-Lab	91.1072, -43.3790, 37.1477

Details

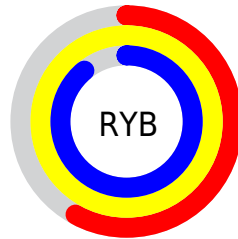
The XYZ color **59.2368, 83.0052, 40.9165** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.0051, 44.5699, 100.0480**, and the grayscale version is **67.9086, 71.4451, 77.8037**.

A 20% lighter version of the original color is **80.8004, 93.4940, 70.2874**, and **30.1448, 45.2793, 17.9775** is the 20% darker color. If you saturate the color by 10%, you get **53.4858, 80.2486, 31.2467**, and if you desaturate by 10%, it is **66.0100, 86.2375, 52.9573**.

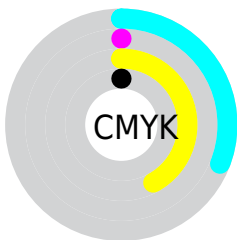
Distribution



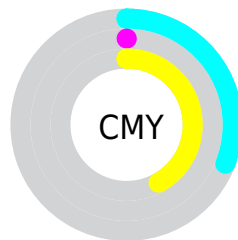
- Red (69%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (89%)



- Cyan (31%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.2368, 83.0052, 40.9165 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 59.2368, 83.0052, 40.9165 by changing the saturation by 10% instead.


 59.2368, 83.0052,
40.9165

 59.2368, 83.0052,
40.9165


411.6589,
505.0039, 365.6378

 43.0509, 62.1944,
27.9346


 102.8344,
137.5827, 77.8094

 30.1197, 45.1898,
18.0378


 130.9768,
172.1183, 102.5575

 20.0780, 31.6070,
10.8074


163.8354,
211.9976, 132.0648

 12.5604, 21.0615,
5.8249

201.7756,
257.6050, 166.7499

 7.2014, 13.1689,
2.6719

245.1626,
309.3250, 207.0311

 3.6358, 7.5450,
0.9292

294.3620,

 1.4982, 3.8052,

367.5418, 253.3272

0.0000

349.7389,
432.6400, 306.0566

■ 0.3246, 1.5652,
0.0000

■ 0.0000, 0.3340,
0.0000

■ 59.2368, 83.0052,
40.9165

■ 59.2368, 83.0052,
40.9165

■ 53.4858, 80.2486,
31.2467

■ 66.0100, 86.2375,
52.9573

■ 48.7032, 77.9432,
23.7876

■ 73.8530, 89.9668,
67.5075

■ 44.8315, 76.0633,
18.3651

■ 82.8115, 94.2138,
84.6997

■ 41.8060, 74.5799,
14.7770

■ 92.9283, 98.9980,
104.6557

■ 39.5519, 73.4597, 95.0500, 100.0000,
12.7801 108.9000

■ 38.2220, 72.7892,
12.0352

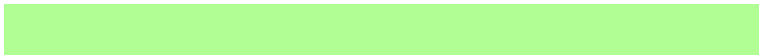
Harmonies

Analogous

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



71.4567, 83.0052, 29.0594



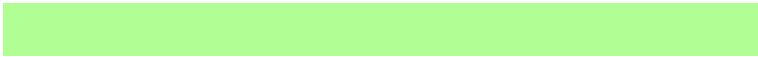
59.2368, 83.0052, 40.9165



52.7940, 83.0052, 68.7440

Triad

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



59.2368, 83.0052, 40.9165



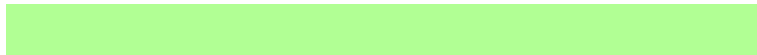
70.9257, 83.0052, 204.7241



112.6218, 83.0052, 70.1099

Complementary

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



59.2368, 83.0052, 40.9165



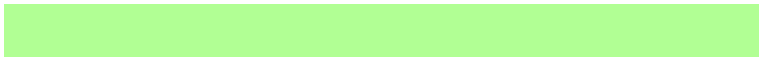
60.0051, 44.5699, 100.0480

Split Complementary

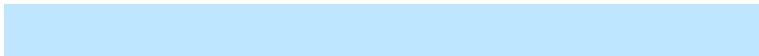
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.4287, 83.0052, 116.1337



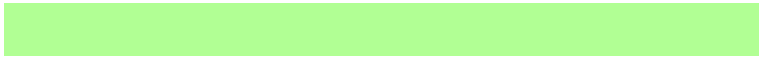
59.2368, 83.0052, 40.9165



86.8301, 83.0052, 205.4776

Square

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



59.2368, 83.0052, 40.9165



58.8936, 83.0052, 167.2615



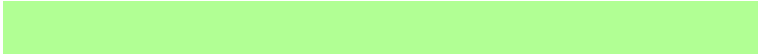
102.4797, 83.0052, 169.0650



102.9760, 83.0052, 41.6234

Rectangle

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



59.2368, 83.0052, 40.9165



52.0070, 83.0052, 97.3978



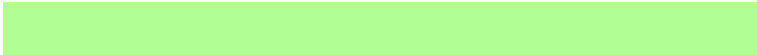
102.4797, 83.0052, 169.0650



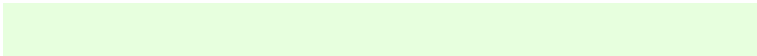
113.7429, 83.0052, 83.7049

Sweetspot

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



59.2372, 83.0054, 40.9178



81.8262, 93.7472, 82.7842



73.4255, 77.0780, 39.0259



17.0756, 19.8580, 16.8705



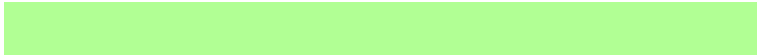
0.0000, 0.0000, 0.0000



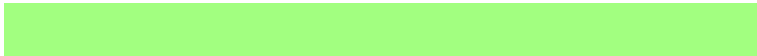
20.3446, 21.4041, 23.3091

Same Dimension

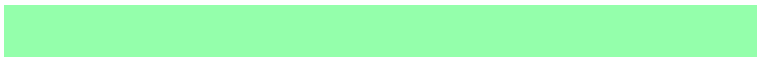
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.2372, 83.0054, 40.9178



54.5348, 80.7525, 32.9625



55.3417, 80.7635, 51.2931



18.2334, 20.4062, 19.1221



20.0929, 38.0963, 6.2943



2.0555, 3.7604, 0.6175

Inverse Universe

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



60.0051, 44.5699, 100.0480



55.3543, 37.8135, 98.9890



66.3699, 48.2566, 82.0243



18.2843, 18.0383, 22.7680



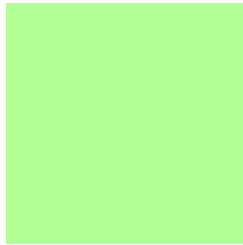
20.1490, 9.2976, 50.1672



2.0664, 0.9592, 4.8895

Previews

White Background



This preview shows how the XYZ color 59.2368, 83.0052, 40.9165 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 59.2368, 83.0052, 40.9165 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

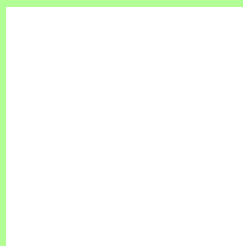
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.2368, 83.0052, 40.9165

Background



This preview shows how black text looks on a background with the XYZ color 59.2368, 83.0052, 40.9165.

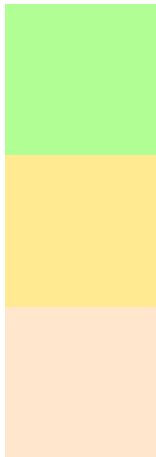


This preview shows how white text looks on a background with the XYZ color 59.2368, 83.0052,

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

59.2368, 83.0052, 40.9165

Protanopia

75.8511, 82.1810, 39.0589

Deuteranopia

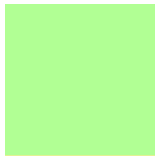
80.5563, 82.2614, 69.3899



Tritanopia

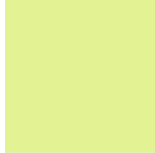
74.6637, 82.6620, 106.6279

Trichromacy



Original Color

59.2368, 83.0052, 40.9165



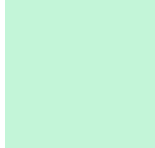
Protanomaly

68.6971, 81.9417, 39.7994



Deuteranomaly

71.1968, 81.5246, 57.3307



Tritanomaly

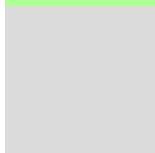
67.5528, 81.8648, 77.2068

Monochromacy



Original Color

59.2368, 83.0052, 40.9165



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.3841, 74.4009, 61.4722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.2368, 83.0052, 40.9165 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 148)  
}
```

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, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 59.2368, 83.0052, 40.9165 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, 148) }
```


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

```
.border{ border-color:rgb(177, 255, 148) }
```

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, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 148);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 59.2368, 83.0052, 40.9165 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, 148) }
```

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

```
.background{ background-color: rgb(177,  
255, 148) }
```

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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