

Converting Colors

XYZ(96.8725, 157.6555,
53.1910)

Have a look what the booklet for
XYZ(96.8725, 157.6555, 53.1910)
contains.

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Color

**XYZ(59.6957, 83.2418,
40.9380)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FF94
RGB	179, 255, 148
RGB Percent	70%, 100%, 58%
CMY	0.2980, 0.0000, 0.4196
CMYK	0.30, 0.00, 0.42, 0.00
HSL	103°, 100%, 79%
HSV	103°, 42%, 100%
XYZ	59.6957, 83.2418, 40.9380
YIQ	220.0780, -10.9490, -49.3890

Conversions

Conversions Part 2

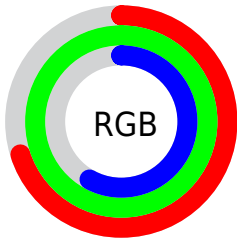
Format	Color
RYB	148, 255, 224
Decimal	11796372
CIELab	93.12, -42.15, 43.79
CIELCh	93, 60.781, 133.911
Yxy	83.2418, 0.3247, 0.4527
Android (android.graphics.Color)	4289986452 (0xFFB3FF94)
YUV	220.0780, -35.5345, -36.0254
Hunter-Lab	91.2369, -42.8733, 37.2624

Details

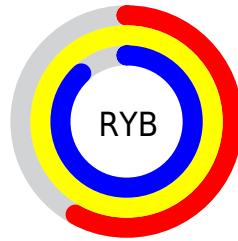
The XYZ color **59.6957, 83.2418, 40.9380** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.3816, 44.2485, 100.0188**, and the grayscale version is **68.3274, 71.8857, 78.2836**.

A 20% lighter version of the original color is **81.4645, 93.8363, 70.3185**, and **30.4280, 45.4253, 17.9907** is the 20% darker color. If you saturate the color by 10%, you get **53.9795, 80.5031, 31.2699**, and if you desaturate by 10%, it is **66.4072, 86.4422, 52.9759**.

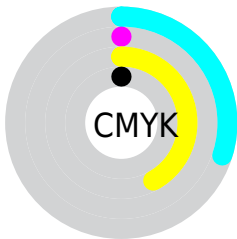
Distribution



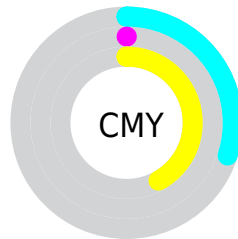
- Red (70%)
- Green (100%)
- Blue (58%)



- Red (58%)
- Yellow (100%)
- Blue (88%)



- Cyan (30%)
- Magenta (0%)
- Yellow (42%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6957, 83.2418, 40.9380 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 59.6957, 83.2418, 40.9380 by changing the saturation by 10% instead.

 59.6957, 83.2418,
40.9380


 59.6957, 83.2418,
40.9380


413.3280,
505.7920, 365.7304

 43.4219, 62.3896,
27.9513


 103.4970,
137.9141, 77.8424

 30.4123, 45.3476,
18.0502


 131.7552,
172.5030, 102.5972

 20.3013, 31.7313,
10.8162

164.7389,
212.4396, 132.1118

 12.7238, 21.1564,
5.8308


202.8136,
258.1083, 166.8047

 7.3143, 13.2383,
2.6753

246.3444,
309.8935, 207.0945

 3.7075, 7.5929,
0.9310

295.6969,

 1.5380, 3.8356,

368.1796, 253.3997

0.0000

351.2363,
433.3510, 306.1388

0.3515, 1.5820,
0.0000

0.0000, 0.3454,
0.0000

59.6957, 83.2418,
40.9380

59.6957, 83.2418,
40.9380

53.9795, 80.5031,
31.2699

66.4072, 86.4422,
52.9759

49.2067, 78.2027,
23.8112

74.1598, 90.1249,
67.5219

45.3219, 76.3161,
18.3880

82.9977, 94.3098,
84.7084

42.2627, 74.8153,
14.7984

92.9620, 99.0154,
104.6573

■ 39.9569, 73.6685, 95.0500, 100.0000,
12.7990 108.9000

■ 38.5744, 72.9709,
12.0517

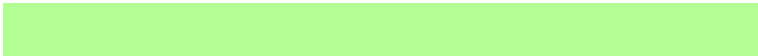
Harmonies

Analogous

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



71.9714, 83.2418, 29.3125



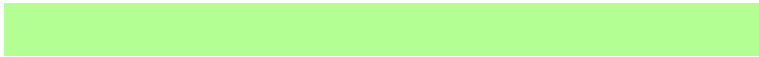
59.6957, 83.2418, 40.9380



53.1554, 83.2418, 68.4065

Triad

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



59.6957, 83.2418, 40.9380



70.9193, 83.2418, 203.9503



112.7826, 83.2418, 71.1150

Complementary

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



59.6957, 83.2418, 40.9380



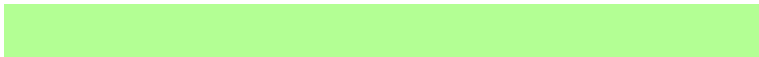
59.3816, 44.2485, 100.0188

Split Complementary

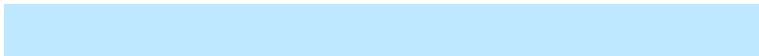
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.4008, 83.2418, 117.2249



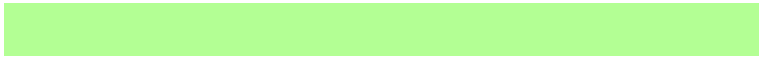
59.6957, 83.2418, 40.9380



86.7245, 83.2418, 205.4378

Square

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



59.6957, 83.2418, 40.9380



59.0151, 83.2418, 166.2295



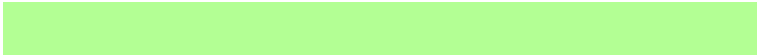
102.3550, 83.2418, 169.7922



103.3369, 83.2418, 42.3436

Rectangle

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



59.6957, 83.2418, 40.9380



52.2934, 83.2418, 96.7608



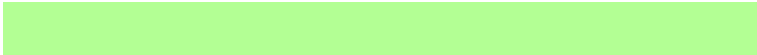
102.3550, 83.2418, 169.7922



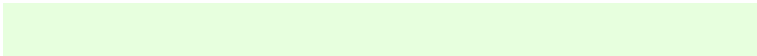
113.8348, 83.2418, 84.7756

Sweetspot

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



59.6961, 83.2420, 40.9393



82.0264, 93.8504, 82.7936



72.9468, 76.1206, 38.8663



17.1246, 19.8832, 16.8728



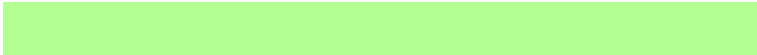
0.0000, 0.0000, 0.0000



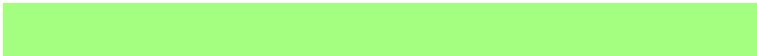
20.3446, 21.4041, 23.3091

Same Dimension

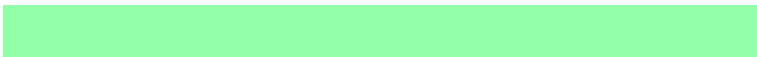
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.6961, 83.2420, 40.9393



55.0237, 81.0045, 32.9853



55.1726, 80.6959, 50.4025



18.2659, 20.4230, 19.1236



20.2833, 38.1945, 6.3032



2.0776, 3.7718, 0.6185

Inverse Universe

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



59.3816, 44.2485, 100.0188



54.6363, 37.4433, 98.9554



66.6243, 48.3584, 83.3640



18.2499, 18.0206, 22.7664



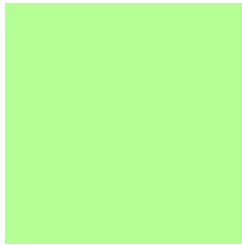
19.5595, 8.9938, 50.1397



2.0129, 0.9316, 4.8870

Previews

White Background



This preview shows how the XYZ color 59.6957, 83.2418, 40.9380 looks on a white background.

Color Contrast Check

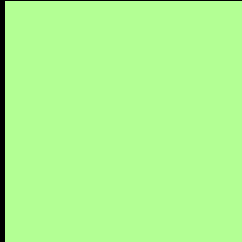
Large Text (above 18pt) WCAG AA × Fail

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 59.6957, 83.2418, 40.9380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

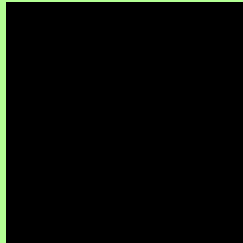
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.6957, 83.2418, 40.9380

Background



This preview shows how black text looks on a background with the XYZ color 59.6957, 83.2418, 40.9380.



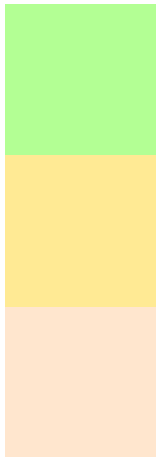
This preview shows how white text looks on a background with the XYZ color 59.6957, 83.2418,

40.9380.

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

59.6957, 83.2418, 40.9380

Protanopia

76.0081, 82.2438, 39.8855

Deuteranopia

80.6774, 82.3099, 70.0278



Tritanopia

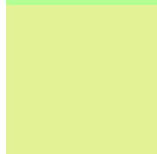
74.9422, 82.8056, 106.6409

Trichromacy



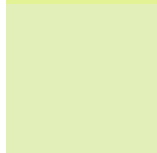
Original Color

59.6957, 83.2418, 40.9380



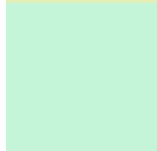
Protanomaly

68.7760, 81.9733, 40.2145



Deuteranomaly

71.3020, 81.5667, 57.8849



Tritanomaly

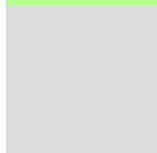
68.0730, 82.1330, 77.2312

Monochromacy



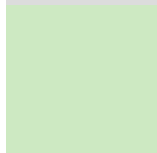
Original Color

59.6957, 83.2418, 40.9380



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.0534, 75.1520, 62.1688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6957, 83.2418, 40.9380 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(179, 255, 148)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 255, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 148) }
```

Border

The CSS property to change the border of an element to XYZ 59.6957, 83.2418, 40.9380 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(179, 255, 148) }
```


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

```
.border{ border-color:rgb(179, 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(179, 255, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 148); box-shadow:4px 4px 4px 4px rgb(179, 255, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6957, 83.2418, 40.9380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 148) }
```

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

```
.background{ background-color: rgb(179,  
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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