

Converting Colors

XYZ(64.7683, 93.8846, 42.2532)

Have a look what the booklet for
XYZ(64.7683, 93.8846, 42.2532)
contains.

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Color

**XYZ(59.3866, 83.0916,
40.5120)**

Conversions

Conversions Part 1

Format	Color
Hex	B2FF93
RGB	178, 255, 147
RGB Percent	70%, 100%, 58%
CMY	0.3020, 0.0000, 0.4235
CMYK	0.30, 0.00, 0.42, 0.00
HSL	103°, 100%, 79%
HSV	103°, 42%, 100%
XYZ	59.3866, 83.0916, 40.5120
YIQ	219.6650, -11.2240, -49.9120

Conversions

Conversions Part 2

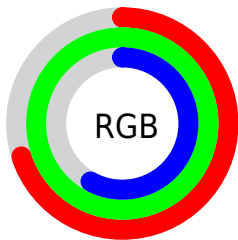
Format	Color
RYB	147, 255, 224
Decimal	11730835
CIELab	93.05, -42.61, 44.18
CIELCh	93, 61.378, 133.967
Yxy	83.0916, 0.3245, 0.4541
Android (android.graphics.Color)	4289920915 (0xFFB2FF93)
YUV	219.6650, -35.8238, -36.5402
Hunter-Lab	91.1546, -43.2290, 37.4579

Details

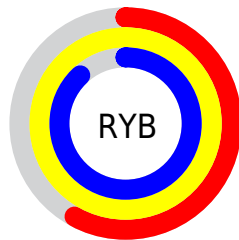
The XYZ color **59.3866, 83.0916, 40.5120** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **59.2253, 43.9360, 99.9667**, and the grayscale version is **68.0410, 71.5844, 77.9554**.

A 20% lighter version of the original color is **81.0127, 93.6171, 69.6772**, and **30.2405, 45.3339, 17.7462** is the 20% darker color. If you saturate the color by 10%, you get **53.7033, 80.3679, 30.9334**, and if you desaturate by 10%, it is **66.0670, 86.2781, 52.4547**.

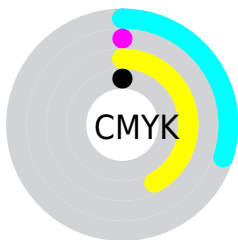
Distribution



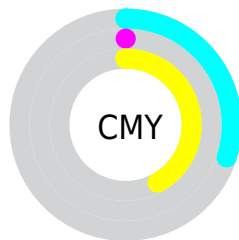
- Red (70%)
- Green (100%)
- Blue (58%)



- 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 59.3866, 83.0916, 40.5120 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 59.3866, 83.0916, 40.5120 by changing the saturation by 10% instead.


 59.3866, 83.0916,
40.5120


 59.3866, 83.0916,
40.5120


412.2042,
505.2917, 363.8929

 43.1720, 62.2657,
27.6211


 103.0508,
137.7037, 77.1881

 30.2152, 45.2474,
17.8037


 131.2310,
172.2588, 101.8105

 20.1509, 31.6524,
10.6412


164.1305,
212.1590, 131.1805

 12.6137, 21.0961,
5.7150

202.1146,
257.7889, 165.7165

 7.2382, 13.1943,
2.6066

245.5486,
309.5326, 205.8373

 3.6592, 7.5625,
0.8959

294.7980,

 1.5112, 3.8163,

367.7748, 251.9612

0.0000

350.2281,
432.8997, 304.5069

0.3334, 1.5713,
0.0000

0.0000, 0.3382,
0.0000

59.3866, 83.0916,
40.5120

59.3866, 83.0916,
40.5120

53.7033, 80.3679,
30.9334

66.0670, 86.2781,
52.4547

48.9649, 78.0835,
23.5579

73.7909, 89.9481,
66.9004

45.1155, 76.2134,
18.2108

82.6026, 94.1218,
83.9818

42.0920, 74.7296,
14.6887

92.5437, 98.8178,
103.8211

■ 39.8214, 73.5996, 95.0500, 100.0000,
12.7462 108.9000

■ 38.5222, 72.9440,
12.0493

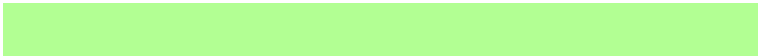
Harmonies

Analogous

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



71.7421, 83.0916, 28.8526



59.3866, 83.0916, 40.5120



52.8179, 83.0916, 68.1413

Triad

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



59.3866, 83.0916, 40.5120



70.7358, 83.0916, 205.1374



112.9633, 83.0916, 70.7288

Complementary

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



59.3866, 83.0916, 40.5120



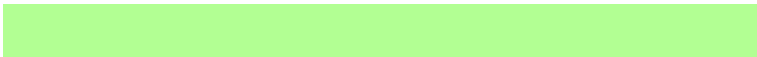
59.2253, 43.9360, 99.9667

Split Complementary

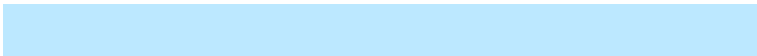
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.5971, 83.0916, 117.2167



59.3866, 83.0916, 40.5120



86.6807, 83.0916, 206.5683

Square

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



59.3866, 83.0916, 40.5120



58.7365, 83.0916, 166.9757



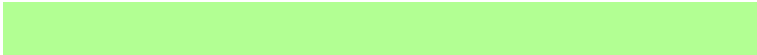
102.4594, 83.0916, 170.3990



103.4009, 83.0916, 41.8492

Rectangle

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



59.3866, 83.0916, 40.5120



51.9590, 83.0916, 96.7410



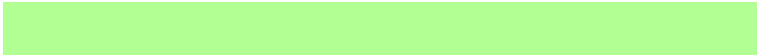
102.4594, 83.0916, 170.3990



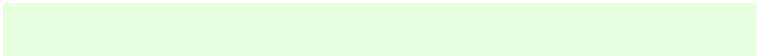
114.0337, 83.0916, 84.4811

Sweetspot

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



59.3870, 83.0917, 40.5132



81.9976, 93.8356, 82.7922



72.7878, 75.9290, 38.4244



17.1175, 19.8796, 16.8725



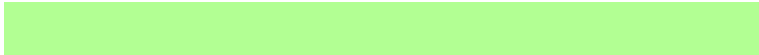
0.0000, 0.0000, 0.0000



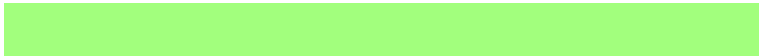
20.3446, 21.4041, 23.3091

Same Dimension

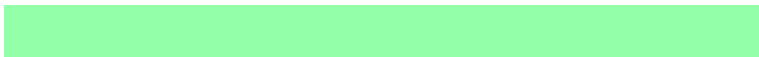
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.3870, 83.0917, 40.5132



54.4152, 80.7099, 32.0959



54.9173, 80.5730, 49.9984



18.2612, 20.4206, 19.1234



20.2551, 38.1800, 6.3019



2.0744, 3.7701, 0.6184

Inverse Universe

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



59.2253, 43.9360, 99.9667



54.1929, 36.7296, 98.8410



66.4395, 48.0345, 83.1610



18.2548, 18.0231, 22.7666



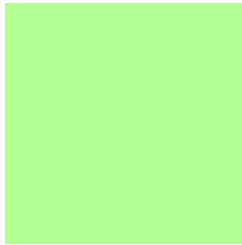
19.6429, 9.0368, 50.1436



2.0205, 0.9355, 4.8874

Previews

White Background



This preview shows how the XYZ color 59.3866, 83.0916, 40.5120 looks on a white background.

Color Contrast Check

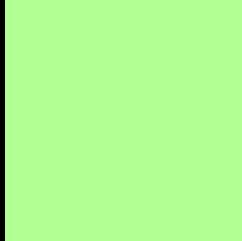
Large Text (above 18pt) WCAG AA × Fail

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 59.3866, 83.0916, 40.5120 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

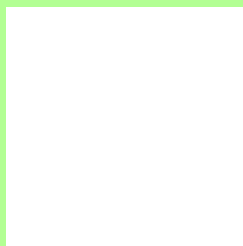
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.3866, 83.0916, 40.5120

Background



This preview shows how black text looks on a background with the XYZ color 59.3866, 83.0916, 40.5120.

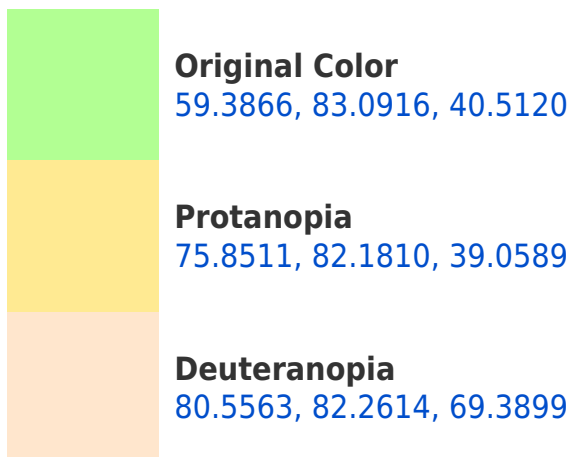


This preview shows how white text looks on a background with the XYZ color 59.3866, 83.0916,

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





Tritanopia

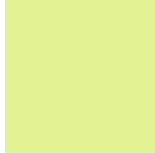
74.6637, 82.6620, 106.6279

Trichromacy



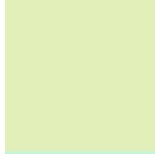
Original Color

59.3866, 83.0916, 40.5120



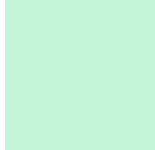
Protanomaly

68.6190, 81.9105, 39.3878



Deuteranomaly

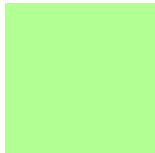
71.1968, 81.5246, 57.3307



Tritanomaly

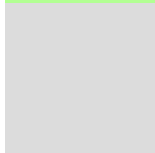
67.8120, 81.9984, 77.2190

Monochromacy



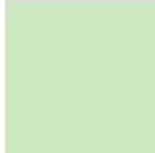
Original Color

59.3866, 83.0916, 40.5120



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

63.9414, 75.1072, 61.5791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3866, 83.0916, 40.5120 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(178, 255, 147)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 147)  
}
```

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(178, 255, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 147) }
```

Border

The CSS property to change the border of an element to XYZ 59.3866, 83.0916, 40.5120 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(178, 255, 147) }
```


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

```
.border{ border-color:rgb(178, 255, 147) }
```

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

Here you see how a box with a 4 pixel rgb(178, 255, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 147);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3866, 83.0916, 40.5120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 147) }
```

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

```
.background{ background-color: rgb(178,  
255, 147) }
```

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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