

Converting Colors

XYZ(59.6759, 83.3001, 37.8414)

Have a look what the booklet for
XYZ(59.6759, 83.3001, 37.8414)
contains.

XYZ(59.5497, 83.2372, 37.7387)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(59.5497, 83.2372,
37.7387)**

Conversions

Conversions Part 1

Format	Color
Hex	B5FF8C
RGB	181, 255, 140
RGB Percent	71%, 100%, 55%
CMY	0.2902, 0.0000, 0.4510
CMYK	0.29, 0.00, 0.45, 0.00
HSL	99°, 100%, 77%
HSV	99°, 45%, 100%
XYZ	59.5497, 83.2372, 37.7387
YIQ	219.7640, -7.1890, -51.4530

Conversions

Conversions Part 2

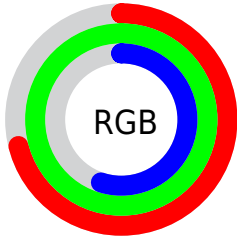
Format	Color
RYB	140, 255, 214
Decimal	11927436
CIELab	93.12, -42.49, 47.65
CIELCh	93, 63.844, 131.729
Yxy	83.2372, 0.3299, 0.4611
Android (android.graphics.Color)	4290117516 (0xFFB5FF8C)
YUV	219.7640, -39.3237, -33.9960
Hunter-Lab	91.2344, -43.1514, 39.3391

Details

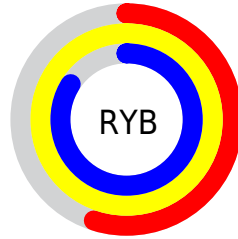
The XYZ color **59.5497, 83.2372, 37.7387** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.1608, 40.2736, 99.4740**, and the grayscale version is **68.1317, 71.6799, 78.0594**.

A 20% lighter version of the original color is **81.2069, 93.8109, 65.4570**, and **30.3718, 45.4363, 16.1861** is the 20% darker color. If you saturate the color by 10%, you get **54.2582, 80.7020, 28.7875**, and if you desaturate by 10%, it is **65.7308, 86.1807, 49.0080**.

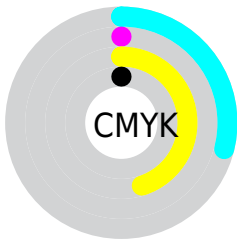
Distribution



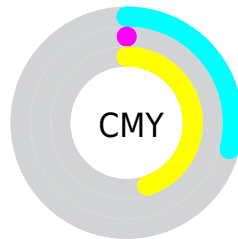
- Red (71%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (84%)



- Cyan (29%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.5497, 83.2372, 37.7387 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 59.5497, 83.2372, 37.7387 by changing the saturation by 10% instead.


 59.5497, 83.2372,
37.7387


 59.5497, 83.2372,
37.7387


412.7974,
505.7767, 351.7623

 43.3039, 62.3858,
25.4797


 103.2862,
137.9076, 72.9064

 30.3192, 45.3445,
16.2125


 131.5076,
172.4955, 96.6522

 20.2302, 31.7289,
9.5187


164.4516,
212.4310, 125.0641

 12.6717, 21.1545,
4.9796

202.4835,
258.0985, 158.5604

 7.2783, 13.2370,
2.1768

245.9687,
309.8824, 197.5599

 3.6846, 7.5919,
0.6609

295.2725,

 1.5253, 3.8350,

368.1672, 242.4810

0.0000

350.7602,
433.3372, 293.7423

■ 0.3430, 1.5817,
0.0000

■ 0.0000, 0.3452,
0.0000

■ 59.5497, 83.2372,
37.7387

■ 59.5497, 83.2372,
37.7387

■ 54.2582, 80.7020,
28.7875

■ 65.7308, 86.1807,
49.0080

■ 49.8091, 78.5543,
21.9892

■ 72.8429, 89.5506,
62.7378

■ 46.1517, 76.7718,
17.1627

■ 80.9261, 93.3646,
79.0632

■ 43.2282, 75.3296,
14.0957

■ 90.0172, 97.6391,
98.1087

■ 40.9702, 74.1979, 95.0500, 100.0000,
12.5265 108.9000

■ 40.0655, 73.7396,
12.1215

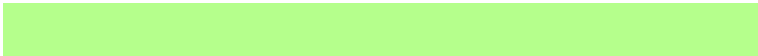
Harmonies

Analogous

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



72.7445, 83.2372, 26.9829



59.5497, 83.2372, 37.7387



52.2955, 83.2372, 64.6723

Triad

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



59.5497, 83.2372, 37.7387



69.4376, 83.2372, 209.5127



115.0371, 83.2372, 73.1393

Complementary

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



59.5497, 83.2372, 37.7387



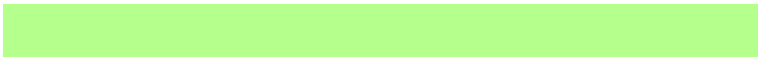
55.1608, 40.2736, 99.4740

Split Complementary

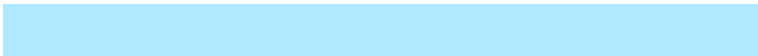
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



113.8200, 83.2372, 122.7453



59.5497, 83.2372, 37.7387



85.8459, 83.2372, 214.3139

Square

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



59.5497, 83.2372, 37.7387



57.4242, 83.2372, 166.9609



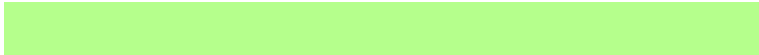
102.5541, 83.2372, 178.4023



105.6762, 83.2372, 42.0449

Rectangle

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



59.5497, 83.2372, 37.7387



51.0836, 83.2372, 93.4432



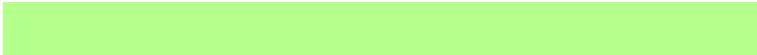
102.5541, 83.2372, 178.4023



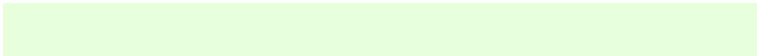
115.8837, 83.2372, 87.8761

Sweetspot

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



59.5500, 83.2374, 37.7399



81.8733, 93.8107, 81.0172



69.7265, 70.6588, 34.7757



17.1279, 19.8927, 16.5249



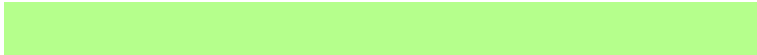
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

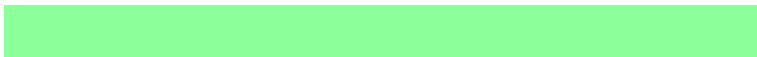
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.5500, 83.2374, 37.7399



54.7966, 80.9608, 29.6612



52.5204, 79.4736, 43.7303



18.3826, 20.4832, 19.1291



21.0820, 38.6063, 6.3406



2.1665, 3.8176, 0.6227

Inverse Universe

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



55.1608, 40.2736, 99.4740



49.8746, 33.1213, 98.3721



66.2973, 46.2886, 87.6194



18.1276, 17.9575, 22.7607



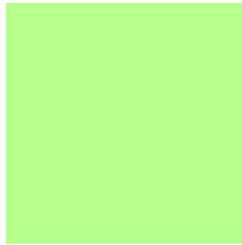
17.6096, 7.9885, 50.0484



1.8337, 0.8392, 4.8786

Previews

White Background



This preview shows how the XYZ color 59.5497, 83.2372, 37.7387 looks on a white background.

Color Contrast Check

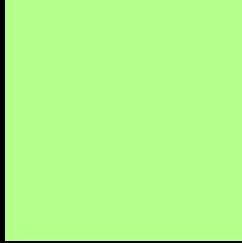
Large Text (above 18pt) WCAG AA × Fail

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 59.5497, 83.2372, 37.7387 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

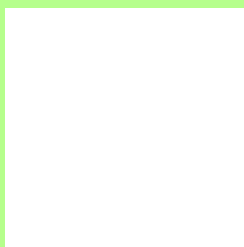
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.5497, 83.2372, 37.7387

Background



This preview shows how black text looks on a background with the XYZ color 59.5497, 83.2372, 37.7387.



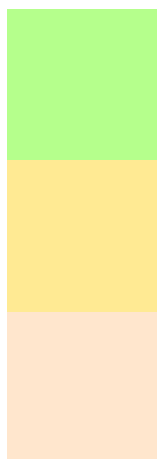
This preview shows how white text looks on a background with the XYZ color 59.5497, 83.2372,

37.7387.

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

59.5497, 83.2372, 37.7387

Protanopia

75.9293, 82.2122, 39.4704

Deuteranopia

80.5563, 82.2614, 69.3899



Tritanopia

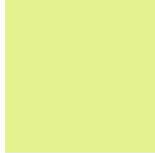
75.2225, 82.9501, 106.6541

Trichromacy



Original Color

59.5497, 83.2372, 37.7387



Protanomaly

68.7811, 82.0119, 38.5903



Deuteranomaly

71.2019, 81.5632, 55.7066



Tritanomaly

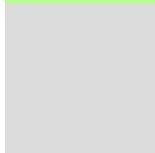
67.9514, 82.1147, 75.2191

Monochromacy



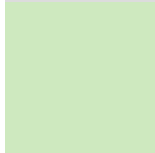
Original Color

59.5497, 83.2372, 37.7387



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

63.9965, 75.1612, 60.4248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.5497, 83.2372, 37.7387 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(181, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(181, 255, 140)  
}
```

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(181, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 59.5497, 83.2372, 37.7387 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(181, 255, 140) }
```


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

```
.border{ border-color:rgb(181, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(181, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 59.5497, 83.2372, 37.7387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 255, 140) }
```

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

```
.background{ background-color: rgb(181,  
255, 140) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor