

Converting Colors

XYZ(59.4163, 83.0047, 45.1323)

Have a look what the booklet for
XYZ(59.4163, 83.0047, 45.1323)
contains.

XYZ(59.3871, 82.9873, 45.2359)	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(59.3871, 82.9873,
45.2359)**

Conversions

Conversions Part 1

Format	Color
Hex	AEFF9E
RGB	174, 255, 158
RGB Percent	68%, 100%, 62%
CMY	0.3176, 0.0000, 0.3804
CMYK	0.32, 0.00, 0.38, 0.00
HSL	110°, 100%, 81%
HSV	110°, 38%, 100%
XYZ	59.3871, 82.9873, 45.2359
YIQ	219.7230, -17.1390, -47.3390

Conversions

Conversions Part 2

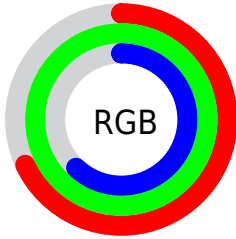
Format	Color
RYB	158, 255, 239
Decimal	11468702
CIELab	93.01, -42.41, 38.71
CIElCh	93, 57.423, 137.613
Yxy	82.9873, 0.3165, 0.4423
Android (android.graphics.Color)	4289658782 (0xFFAEFF9E)
YUV	219.7230, -30.4294, -40.0991
Hunter-Lab	91.0974, -43.0548, 34.3267

Details

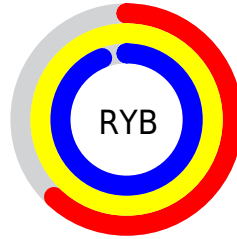
The XYZ color **59.3871, 82.9873, 45.2359** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.8747, 50.0258, 100.7917**, and the grayscale version is **68.0480, 71.5918, 77.9634**.

A 20% lighter version of the original color is **81.0490, 93.4799, 76.7225**, and **30.2151, 45.2596, 20.5081** is the 20% darker color. If you saturate the color by 10%, you get **53.0409, 79.9435, 34.6457**, and if you desaturate by 10%, it is **66.9417, 86.6013, 58.2622**.

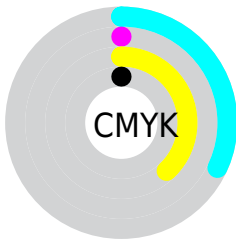
Distribution



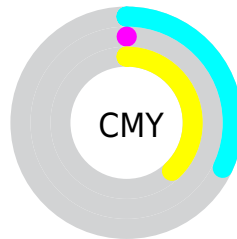
- Red (68%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (94%)



- Cyan (32%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (32%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3871, 82.9873, 45.2359 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 59.3871, 82.9873, 45.2359 by changing the saturation by 10% instead.


 59.3871, 82.9873,
45.2359


 59.3871, 82.9873,
45.2359


412.2060,
504.9442, 383.9161

 43.1724, 62.1797,
31.2990


 103.0515,
137.5577, 84.3965

 30.2155, 45.1779,
20.5662


 131.2318,
172.0892, 110.4572

 20.1511, 31.5976,
12.6192


164.1315,
211.9642, 141.3963

 12.6138, 21.0543,
7.0392

202.1157,
257.5670, 177.6323

 7.2383, 13.1637,
3.4078

245.5499,
309.2820, 219.5838

 3.6592, 7.5414,
1.3064

294.7995,

 1.5112, 3.8029,

367.4936, 267.6692

0.0671

350.2297,
432.5862, 322.3071

■ 0.3335, 1.5639,
0.0000

■ 0.0000, 0.3331,
0.0000

■ 59.3871, 82.9873,
45.2359

■ 59.3871, 82.9873,
45.2359

■ 53.0409, 79.9435,
34.6457

■ 66.9417, 86.6013,
58.2622

■ 47.8380, 77.4399,
26.3368

■ 75.7623, 90.8124,
73.8589

■ 43.7092, 75.4442,
20.1423

■ 85.9044, 95.6464,
92.1552

■ 40.5768, 73.9207,
15.8712

95.0500, 100.0000,
108.9000

■ 38.3520, 72.8284,
13.2982

■ 36.9247, 72.1173,
12.1176

■ 36.7172, 72.0135,
11.9648

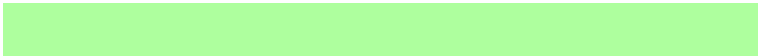
Harmonies

Analogous

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



70.4461, 82.9873, 32.1757



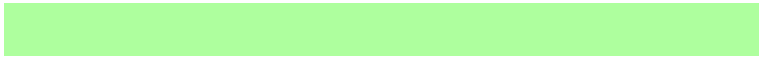
59.3871, 82.9873, 45.2359



53.8685, 82.9873, 73.7313

Triad

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



59.3871, 82.9873, 45.2359



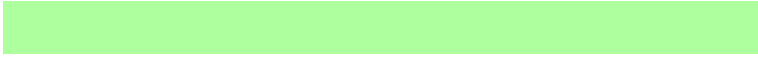
72.8345, 82.9873, 197.7951



109.7759, 82.9873, 67.5438

Complementary

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



59.3871, 82.9873, 45.2359



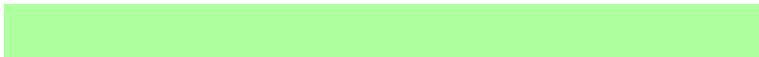
65.8747, 50.0258, 100.7917

Split Complementary

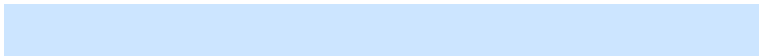
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.6287, 82.9873, 109.3157



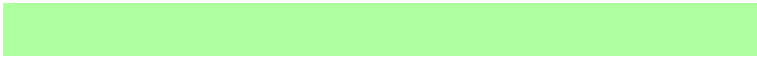
59.3871, 82.9873, 45.2359



87.9550, 82.9873, 194.5184

Square

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



59.3871, 82.9873, 45.2359



60.9435, 82.9873, 166.3755



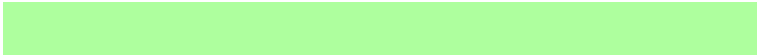
102.2230, 82.9873, 158.4823



100.0227, 82.9873, 41.9522

Rectangle

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



59.3871, 82.9873, 45.2359



53.5447, 82.9873, 101.7814



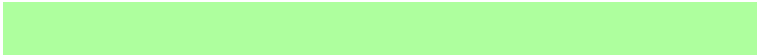
102.2230, 82.9873, 158.4823



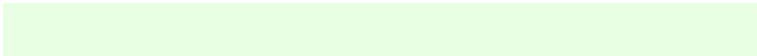
111.1537, 82.9873, 79.8250

Sweetspot

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



59.3875, 82.9875, 45.2372



82.7596, 94.1483, 86.4474



78.2297, 85.3645, 44.7029



17.4143, 20.0088, 17.9615



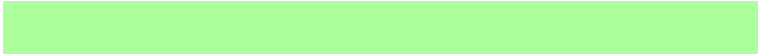
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

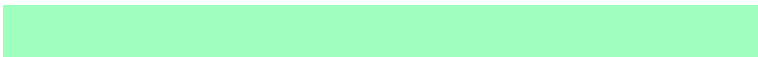
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.3875, 82.9875, 45.2372



54.2394, 80.5191, 36.6141



59.1921, 82.5218, 61.7161



18.0506, 20.3120, 19.1136



19.2669, 37.6706, 6.2557



1.9510, 3.7065, 0.6126

Inverse Universe

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



65.8747, 50.0258, 100.7917



61.5727, 43.0846, 99.6787



66.7418, 51.0245, 75.9083



18.4812, 18.1398, 22.7772



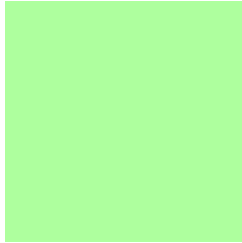
23.8702, 11.2160, 50.3414



2.3989, 1.1306, 4.9051

Previews

White Background



This preview shows how the XYZ color 59.3871, 82.9873, 45.2359 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 59.3871, 82.9873, 45.2359 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

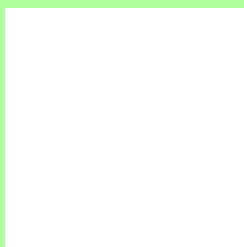
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.3871, 82.9873, 45.2359

Background



This preview shows how black text looks on a background with the XYZ color 59.3871, 82.9873, 45.2359.



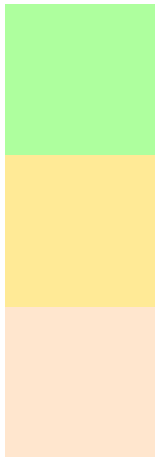
This preview shows how white text looks on a background with the XYZ color 59.3871, 82.9873,

45.2359.

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

59.3871, 82.9873, 45.2359

Protanopia

76.1678, 82.3076, 40.7267

Deuteranopia

80.6774, 82.3099, 70.0278



Tritanopia

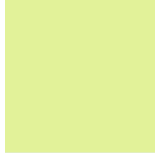
74.1119, 82.3775, 106.6021

Trichromacy



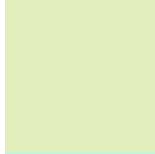
Original Color

59.3871, 82.9873, 45.2359



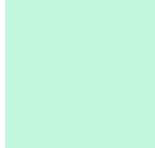
Protanomaly

68.8659, 81.9729, 42.3297



Deuteranomaly

71.4158, 81.5759, 60.1258



Tritanomaly

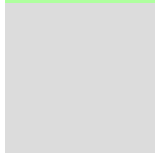
67.5630, 81.8096, 79.9400

Monochromacy



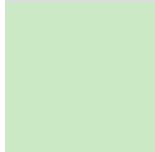
Original Color

59.3871, 82.9873, 45.2359



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

63.8456, 75.0056, 63.9358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3871, 82.9873, 45.2359 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, 158)` looks like.

```
.text, #text, p{  
    color:rgb(174, 255, 158)  
}
```

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, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 255, 158) }
```

Border

The CSS property to change the border of an element to XYZ 59.3871, 82.9873, 45.2359 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, 158) }
```


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

```
.border{ border-color:rgb(174, 255, 158) }
```

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, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 255, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 255, 158);  
box-shadow:4px 4px 4px 4px rgb(174, 255,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3871, 82.9873, 45.2359 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, 158) }
```

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

```
.background{ background-color: rgb(174,  
255, 158) }
```

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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