

Converting Colors

XYZ(59.4152, 82.1391, 84.2126)

Have a look what the booklet for
XYZ(59.4152, 82.1391, 84.2126)
contains.

XYZ(59.3423, 82.1071, 83.9548)	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(59.3423, 82.1071,
83.9548)**

Conversions

Conversions Part 1

Format	Color
Hex	87FFE1
RGB	135, 255, 225
RGB Percent	53%, 100%, 88%
CMY	0.4706, 0.0000, 0.1176
CMYK	0.47, 0.00, 0.12, 0.00
HSL	165°, 100%, 76%
HSV	165°, 47%, 100%
XYZ	59.3423, 82.1071, 83.9548
YIQ	215.7000, -61.8900, -34.7700

Conversions

Conversions Part 2

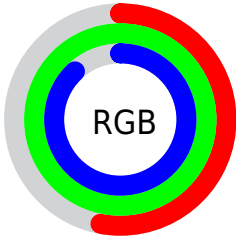
Format	Color
R_{YB}	135, 204, 255
Decimal	8912865
CIE _{Lab}	92.62, -40.85, 3.88
CIE _{LCh}	93, 41.038, 174.571
Yxy	82.1071, 0.2633, 0.3643
Android (android.graphics.Color)	4287102945 (0xFF87FFE1)
YUV	215.7000, 4.5849, -70.7739
Hunter-Lab	90.6130, -41.6733, 8.4957

Details

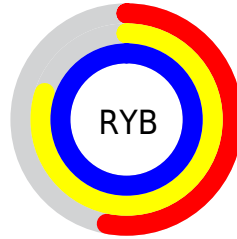
The XYZ color **59.3423, 82.1071, 83.9548** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **56.6963, 41.3058, 40.5830**, and the grayscale version is **65.0663, 68.4549, 74.5473**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **30.2738, 44.7463, 45.0715** is the 20% darker color. If you saturate the color by 10%, you get **54.8660, 79.8981, 79.2910**, and if you desaturate by 10%, it is **64.8353, 84.8365, 88.8385**.

Distribution



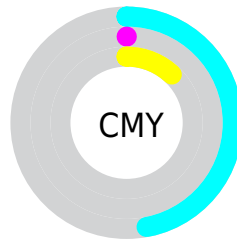
- Red (53%)
- Green (100%)
- Blue (88%)



- Red (53%)
- Yellow (80%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3423, 82.1071, 83.9548 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 59.3423, 82.1071, 83.9548 by changing the saturation by 10% instead.


 59.3423, 82.1071,
83.9548


 59.3423, 82.1071,
83.9548


412.0429,
502.0059, 528.2173

 43.1362, 61.4538,
62.4329


 102.9868,
136.3242, 140.7731

 30.1869, 44.5915,
44.9446


 131.1558,
170.6568, 176.9066

 20.1293, 31.1358,
31.0711


164.0432,
210.3179, 218.7478

 12.5979, 20.7023,
20.3941

202.0143,
255.6920, 266.7152

 7.2273, 12.9066,
12.4949

245.4345,
307.1635, 321.2273

 3.6523, 7.3642,
6.9551

294.6691,

 1.5073, 3.6909,

365.1167, 382.7026

3.3560

350.0835,
429.9360, 451.5598

■ 0.3308, 1.5022,
1.2792

■ 0.0000, 0.2903,
0.0446

■ 59.3423, 82.1071,
83.9548

■ 59.3423, 82.1071,
83.9548

■ 54.8660, 79.8981,
79.2910

■ 64.8353, 84.8365,
88.8385

■ 51.3321, 78.1712,
74.8375

■ 71.4069, 88.1181,
93.9427

■ 48.6601, 76.8850,
70.5902

■ 79.1170, 91.9828,
99.2732

■ 46.7546, 75.9903,
66.5428

■ 88.0205, 96.4589,
104.8343

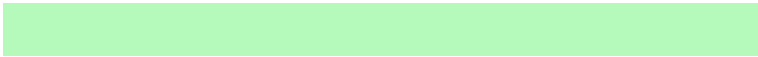
■ 45.4939, 75.4244, 95.0500, 100.0000,
62.6876 108.9000

■ 45.1917, 75.2927,
61.5869

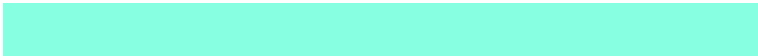
Harmonies

Analogous

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



62.4851, 82.1071, 59.4764



59.3423, 82.1071, 83.9548



60.8259, 82.1071, 116.1328

Triad

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



59.3423, 82.1071, 83.9548



86.8881, 82.1071, 154.2078



90.5508, 82.1071, 49.5544

Complementary

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



59.3423, 82.1071, 83.9548



56.6963, 41.3058, 40.5830

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.



98.2301, 82.1071, 67.1220



59.3423, 82.1071, 83.9548



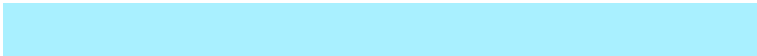
95.9840, 82.1071, 127.9801

Square

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



59.3423, 82.1071, 83.9548



76.1149, 82.1071, 161.5979



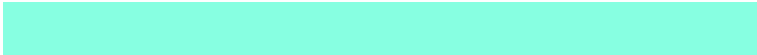
100.3035, 82.1071, 95.0771



79.9980, 82.1071, 42.7290

Rectangle

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



59.3423, 82.1071, 83.9548



64.3155, 82.1071, 137.3128



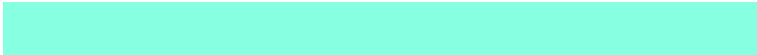
100.3035, 82.1071, 95.0771



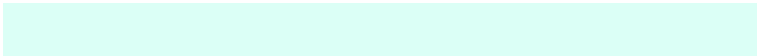
93.5908, 82.1071, 54.1738

Sweetspot

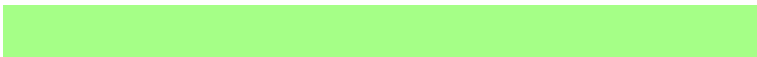
The Sweet Spot groups the original color and five complimentary colors.



59.3432, 82.1076, 83.9562



81.7099, 93.2851, 100.9486



55.6512, 81.2691, 35.6766



17.0951, 19.7688, 21.3536



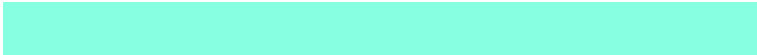
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



59.3432, 82.1076, 83.9562



55.2934, 80.1082, 79.7740



54.9679, 66.2222, 104.4928



18.3494, 20.3993, 22.1429



23.6766, 39.3672, 32.5121



2.3490, 3.8505, 3.3955

Inverse Universe

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



56.6963, 41.3058, 40.5830



52.3936, 35.0274, 31.9745



59.0692, 49.9208, 29.4456



18.1956, 18.0616, 19.6473



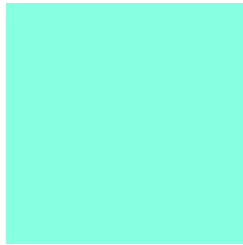
22.0784, 11.3207, 3.7973



2.1912, 1.1188, 0.5882

Previews

White Background



This preview shows how the XYZ color 59.3423, 82.1071, 83.9548 looks on a white background.

Color Contrast Check

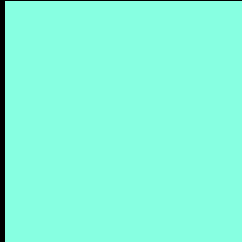
Large Text (above 18pt) WCAG AA × Fail

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 59.3423, 82.1071, 83.9548 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 59.3423, 82.1071, 83.9548

Background



This preview shows how black text looks on a background with the XYZ color 59.3423, 82.1071, 83.9548.

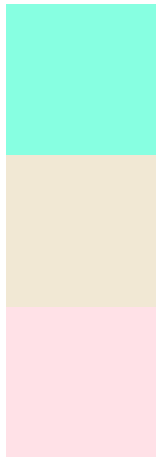


This preview shows how white text looks on a background with the XYZ color 59.3423, 82.1071,

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

59.3423, 82.1071, 83.9548

Protanopia

77.0159, 81.1675, 73.8951

Deuteranopia

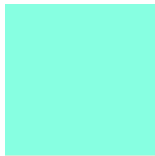
82.5890, 80.8799, 86.8598



Tritanopia

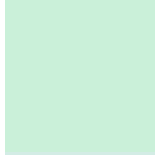
70.2956, 81.2891, 106.5931

Trichromacy



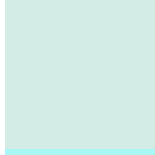
Original Color

59.3423, 82.1071, 83.9548



Protanomaly

68.0416, 79.8865, 77.4791



Deuteranomaly

71.0023, 79.4969, 85.7310



Tritanomaly

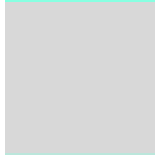
65.7383, 81.3780, 97.8307

Monochromacy



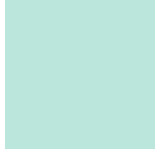
Original Color

59.3423, 82.1071, 83.9548



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

61.5765, 72.2729, 77.7225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3423, 82.1071, 83.9548 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(135, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(135, 255, 225)  
}
```

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(135, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 59.3423, 82.1071, 83.9548 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(135, 255, 225) }
```


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

```
.border{ border-color:rgb(135, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(135, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3423, 82.1071, 83.9548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 255, 225) }
```

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

```
.background{ background-color: rgb(135,  
255, 225) }
```

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