

# Converting Colors

XYZ(59.6557, 80.9569, 82.7372)

Have a look what the booklet for  
XYZ(59.6557, 80.9569, 82.7372)  
contains.

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# Color

**XYZ(59.5926, 80.8423,  
82.9843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FFCE0
RGB	143, 252, 224
RGB Percent	56%, 99%, 88%
CMY	0.4392, 0.0117, 0.1216
CMYK	0.43, 0.00, 0.11, 0.01
HSL	165°, 95%, 77%
HSV	165°, 43%, 99%
XYZ	59.5926, 80.8423, 82.9843
YIQ	216.2170, -55.9760, -31.8160

# Conversions

## Conversions Part 2

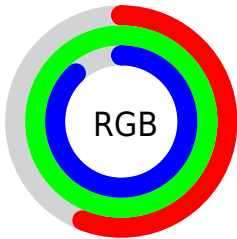
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 206, 252
Decimal	9436384
CIELab	92.06, -37.84, 3.63
CIElCh	92, 38.010, 174.527
Yxy	80.8423, 0.2667, 0.3618
Android (android.graphics.Color)	4287626464 (0xFF8FFCE0)
YUV	216.2170, 3.8370, -64.2113
Hunter-Lab	89.9123, -39.0394, 8.2171

# Details

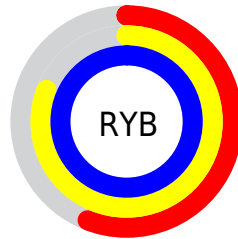
The XYZ color **59.5926, 80.8423, 82.9843** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.3207, 43.2826, 43.8642**, and the grayscale version is **65.4220, 68.8290, 74.9548**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **30.4229, 43.8261, 44.3919** is the 20% darker color. If you saturate the color by 10%, you get **54.8495, 78.4987, 78.2671**, and if you desaturate by 10%, it is **65.3535, 83.7108, 87.9272**.

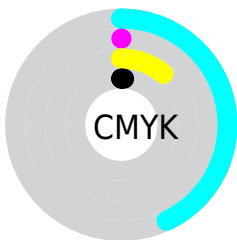
# Distribution



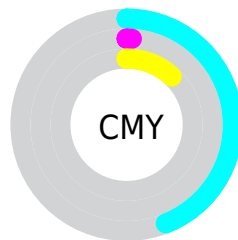
- Red (56%)
- Green (99%)
- Blue (88%)



- Red (56%)
- Yellow (81%)
- Blue (99%)



- Cyan (43%)
- Magenta (0%)
- Yellow (11%)
- Black (1%)




- Cyan (44%)
- Magenta (1%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.5926, 80.8423, 82.9843 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 59.5926, 80.8423, 82.9843 by changing the saturation by 10% instead.





 59.5926, 80.8423,  
82.9843


 59.5926, 80.8423,  
82.9843


412.9533,  
497.7669, 524.9038

 43.3385, 60.4117,  
61.6367


 103.3482,  
134.5493, 139.4025

 30.3465, 43.7506,  
44.3053


 131.5804,  
168.5945, 175.3102

 20.2511, 30.4745,  
30.5716


164.5361,  
207.9468, 216.9082

 12.6870, 20.1990,  
20.0172

202.5805,  
252.9904, 264.6153

 7.2889, 12.5398,  
12.2233

246.0791,  
304.1099, 318.8498

 3.6914, 7.1124,  
6.7716


295.3972,


 1.5291, 3.5325,


361.6895, 380.0304


3.2434


350.9002,  
426.1137, 448.5755


 0.3455, 1.4157,  
1.2202


 0.0000, 0.2282,  
0.0000


 59.5926, 80.8423,  
82.9843


 59.5926, 80.8423,  
82.9843


 54.8495, 78.4987,  
78.2671


 65.3535, 83.7108,  
87.9272


 51.0505, 76.6360,  
73.7650

 72.1861, 87.1258,  
93.0948

 48.1230, 75.2187,  
69.4744

 80.1482, 91.1192,  
98.4937

 45.9802, 74.2023,  
65.3892

 89.2917, 95.7176,  
104.1279

■ 44.5167, 73.5323,  
61.5024

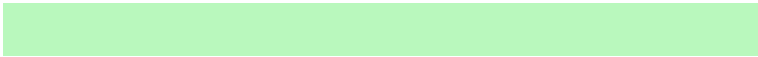
■ 94.1018, 98.1037,  
108.5839

■ 43.8098, 73.2229,  
58.9866

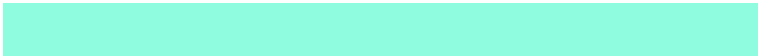
# Harmonies

## Analogous

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



62.5141, 80.8423, 60.3146



59.5926, 80.8423, 82.9843



60.9634, 80.8423, 112.3351

# Triad

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



59.5926, 80.8423, 82.9843



84.9146, 80.8423, 146.6964



88.2800, 80.8423, 51.0350

# Complementary

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



59.5926, 80.8423, 82.9843



57.3207, 43.2826, 43.8642

# 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.



95.2541, 80.8423, 67.4999



59.5926, 80.8423, 82.9843



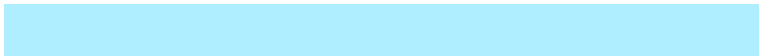
93.1985, 80.8423, 123.1355

# Square

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



59.5926, 80.8423, 82.9843



75.0579, 80.8423, 153.2804



97.1260, 80.8423, 93.2627



78.6464, 80.8423, 44.5488



# Rectangle

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



59.5926, 80.8423, 82.9843



64.1923, 80.8423, 131.4649



97.1260, 80.8423, 93.2627



91.0446, 80.8423, 55.3917

# Sweetspot

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



59.5949, 80.8455, 82.9862



82.5472, 93.7095, 101.3156



56.7987, 80.3856, 38.5102



17.2585, 19.8518, 21.4188



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.



59.5949, 80.8455, 82.9862



56.8853, 80.9038, 80.9790



56.2515, 67.5722, 102.1773



17.5642, 19.5279, 21.1715



22.8832, 38.1663, 31.0579



2.1623, 3.5520, 3.1028



# Inverse Universe

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



57.3207, 43.2826, 43.8642



54.2890, 37.6936, 36.0736



59.1881, 50.8464, 32.6826



17.4276, 17.2984, 18.8414



21.4553, 10.9979, 3.8402

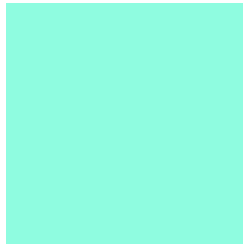


2.0283, 1.0350, 0.5723



# Previews

## White Background



This preview shows how the XYZ color 59.5926, 80.8423, 82.9843 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

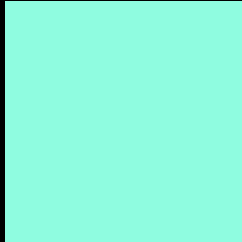
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.5926, 80.8423, 82.9843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

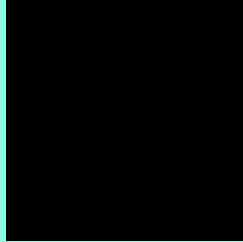
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 59.5926, 80.8423, 82.9843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.5926, 80.8423, 82.9843.



This preview shows how white text looks on a background with the XYZ color 59.5926, 80.8423, 82.9843.



# 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

59.5926, 80.8423, 82.9843

### Protanopia

75.7771, 79.6978, 73.6767

### Deuteranopia

81.1786, 79.3712, 85.9045



## Tritanopia

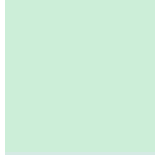
69.2725, 80.3209, 106.4602

# Trichromacy



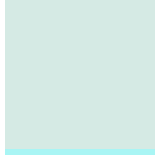
## Original Color

59.5926, 80.8423, 82.9843



## Protanomaly

67.8710, 78.9443, 76.6263



## Deuteranomaly

70.8670, 78.5932, 84.8337



## Tritanomaly

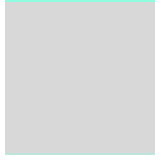
65.3437, 80.2715, 97.6379

# Monochromacy



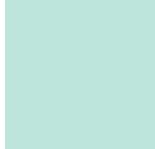
## Original Color

59.5926, 80.8423, 82.9843



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

61.7918, 71.9719, 77.6530

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.5926, 80.8423, 82.9843 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(143, 252, 224)` looks like.

```
.text, #text, p{  
    color:rgb(143, 252, 224)  
}
```

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(143, 252, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 252, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 59.5926, 80.8423, 82.9843 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(143, 252, 224) }
```



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

```
.border{ border-color:rgb(143, 252, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 252, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 252, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 252, 224);  
box-shadow:4px 4px 4px 4px rgb(143, 252,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.5926, 80.8423, 82.9843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 252, 224) }
```

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

```
.background{ background-color: rgb(143,  
252, 224) }
```

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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