

Converting Colors

XYZ(65.8323, 95.0786, 85.6890)

Have a look what the booklet for
XYZ(65.8323, 95.0786, 85.6890)
contains.

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Color

**XYZ(59.3679, 82.1361,
83.2458)**

Conversions

Conversions Part 1

Format	Color
Hex	88FFE0
RGB	136, 255, 224
RGB Percent	53%, 100%, 88%
CMY	0.4667, 0.0000, 0.1216
CMYK	0.47, 0.00, 0.12, 0.00
HSL	164°, 100%, 77%
HSV	164°, 47%, 100%
XYZ	59.3679, 82.1361, 83.2458
YIQ	215.8850, -60.9730, -34.8690

Conversions

Conversions Part 2

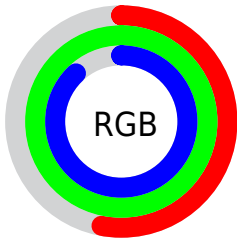
Format	Color
R_{YB}	136, 204, 255
Decimal	8978400
CIE _{Lab}	92.63, -40.85, 4.42
CIE _{LCh}	93, 41.086, 173.821
Yxy	82.1361, 0.2642, 0.3655
Android (android.graphics.Color)	4287168480 (0xFF88FFE0)
YUV	215.8850, 4.0007, -70.0591
Hunter-Lab	90.6290, -41.6715, 8.9804

Details

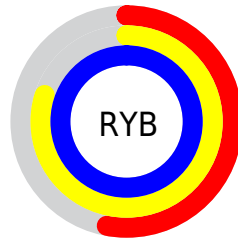
The XYZ color **59.3679, 82.1361, 83.2458** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **57.0199, 41.6595, 41.5960**, and the grayscale version is **65.1955, 68.5907, 74.6953**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **30.2572, 44.7486, 44.5787** is the 20% darker color. If you saturate the color by 10%, you get **54.8245, 79.8959, 78.4228**, and if you desaturate by 10%, it is **64.9333, 84.8990, 88.3032**.

Distribution



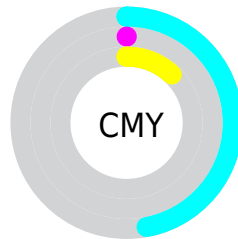
- Red (53%)
- Green (100%)
- Blue (88%)



- 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 59.3679, 82.1361, 83.2458 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 59.3679, 82.1361, 83.2458 by changing the saturation by 10% instead.


 59.3679, 82.1361,
83.2458


 59.3679, 82.1361,
83.2458


412.1361,
502.1028, 525.7978

 43.1569, 61.4777,
61.8512


 103.0238,
136.3648, 139.7720

 30.2033, 44.6108,
44.4774


 131.1993,
170.7040, 175.7406

 20.1418, 31.1510,
30.7061


164.0937,
210.3722, 217.4043

 12.6070, 20.7139,
20.1185

202.0723,
255.7539, 265.1816

 7.2336, 12.9150,
12.2963

245.5005,
307.2334, 319.4911

 3.6563, 7.3700,
6.8208

294.7436,

 1.5096, 3.6946,

365.1951, 380.7512

3.2736

350.1670,
430.0234, 449.3806

■ 0.3323, 1.5042,
1.2360

■ 0.0000, 0.2917,
0.0084

■ 59.3679, 82.1361,
83.2458

■ 59.3679, 82.1361,
83.2458

■ 54.8245, 79.8959,
78.4228

■ 64.9333, 84.8990,
88.3032

■ 51.2290, 78.1404,
73.8244

■ 71.5825, 88.2165,
93.5956

■ 48.5016, 76.8285,
69.4463

■ 79.3754, 92.1194,
99.1295

■ 46.5474, 75.9112,
65.2818

■ 88.3664, 96.6359,
104.9091

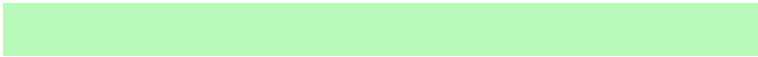
■ 45.2472, 75.3272, 95.0500, 100.0000,
61.3231 108.9000

■ 44.8990, 75.1756,
60.0456

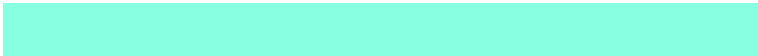
Harmonies

Analogous

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



62.6277, 82.1361, 58.9951



59.3679, 82.1361, 83.2458



60.7373, 82.1361, 115.3697

Triad

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



59.3679, 82.1361, 83.2458



86.6651, 82.1361, 154.7985



90.8379, 82.1361, 49.8423

Complementary

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



59.3679, 82.1361, 83.2458



57.0199, 41.6595, 41.5960

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.



98.4165, 82.1361, 67.7065



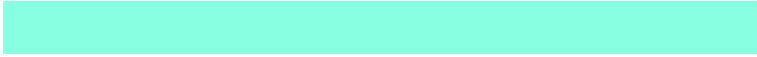
59.3679, 82.1361, 83.2458



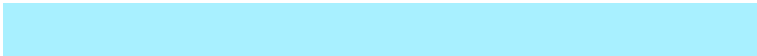
95.8577, 82.1361, 128.8668

Square

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



59.3679, 82.1361, 83.2458



75.8768, 82.1361, 161.6313



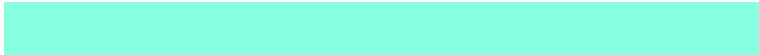
100.3323, 82.1361, 95.9178



80.3008, 82.1361, 42.7538

Rectangle

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



59.3679, 82.1361, 83.2458



64.1599, 82.1361, 136.6851



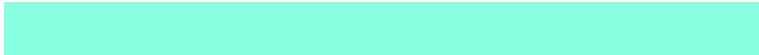
100.3323, 82.1361, 95.9178



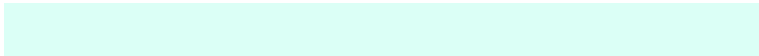
93.8532, 82.1361, 54.5581

Sweetspot

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



59.3688, 82.1365, 83.2472



81.6523, 93.2621, 100.6456



56.2965, 81.5936, 36.0760



17.0810, 19.7632, 21.2793



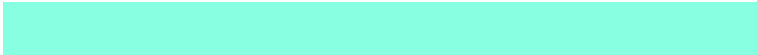
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



59.3688, 82.1365, 83.2472



55.0964, 80.0294, 78.7366



55.7372, 67.5210, 104.7029



18.3409, 20.3959, 22.0982



23.5252, 39.3067, 31.7144



2.3353, 3.8451, 3.3236

Inverse Universe

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



57.0199, 41.6595, 41.5960



52.5130, 35.0752, 32.6035



58.9185, 49.5062, 29.7443



18.2036, 18.0647, 19.6892



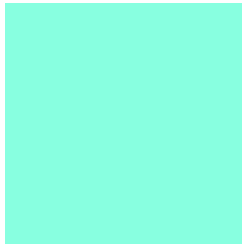
22.1206, 11.3375, 4.0198



2.1963, 1.1209, 0.6149

Previews

White Background



This preview shows how the XYZ color 59.3679, 82.1361, 83.2458 looks on a white background.

Color Contrast Check

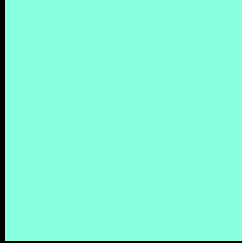
Large Text (above 18pt) WCAG AA × Fail

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 59.3679, 82.1361, 83.2458 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 59.3679, 82.1361, 83.2458

Background



This preview shows how black text looks on a background with the XYZ color 59.3679, 82.1361, 83.2458.

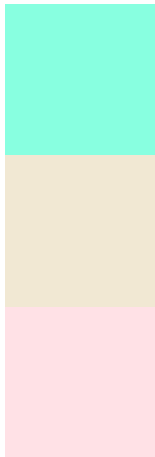


This preview shows how white text looks on a background with the XYZ color 59.3679, 82.1361,

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

59.3679, 82.1361, 83.2458

Protanopia

76.8901, 81.1171, 73.2326

Deuteranopia

82.4481, 80.8236, 86.1179



Tritanopia

70.2956, 81.2891, 106.5931

Trichromacy



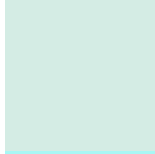
Original Color

59.3679, 82.1361, 83.2458



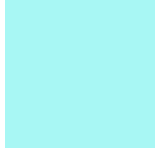
Protanomaly

68.1834, 79.9746, 76.8087



Deuteranomaly

71.1504, 79.5894, 85.0110



Tritanomaly

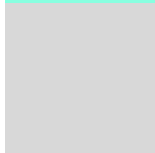
65.7383, 81.3780, 97.8307

Monochromacy



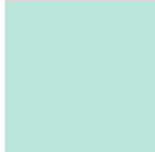
Original Color

59.3679, 82.1361, 83.2458



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 59.3679, 82.1361, 83.2458 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(136, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(136, 255, 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(136, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 255, 224) }
```

Border

The CSS property to change the border of an element to XYZ 59.3679, 82.1361, 83.2458 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(136, 255, 224) }
```


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

```
.border{ border-color:rgb(136, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(136, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(136, 255,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3679, 82.1361, 83.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 255, 224) }
```

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

```
.background{ background-color: rgb(136,  
255, 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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