

Converting Colors

XYZ(69.3831, 100.0000,
88.5981)

Have a look what the booklet for
XYZ(69.3831, 100.0000, 88.5981)
contains.

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Color

**XYZ(60.7805, 82.8168,
85.4548)**

Conversions

Conversions Part 1

Format	Color
Hex	8EFFE3
RGB	142, 255, 227
RGB Percent	56%, 100%, 89%
CMY	0.4431, 0.0000, 0.1098
CMYK	0.44, 0.00, 0.11, 0.00
HSL	165°, 100%, 78%
HSV	165°, 44%, 100%
XYZ	60.7805, 82.8168, 85.4548
YIQ	218.0210, -58.3600, -32.6640

Conversions

Conversions Part 2

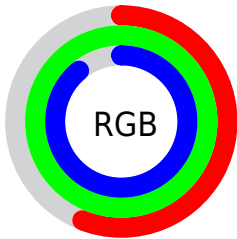
Format	Color
R_{YB}	142, 206, 255
Decimal	9371619
CIE _{Lab}	92.93, -38.77, 3.33
CIE _{LCh}	93, 38.917, 175.084
Yxy	82.8168, 0.2654, 0.3616
Android (android.graphics.Color)	4287561699 (0xFF8EFFE3)
YUV	218.0210, 4.4266, -66.6704
Hunter-Lab	91.0037, -40.0381, 8.0278

Details

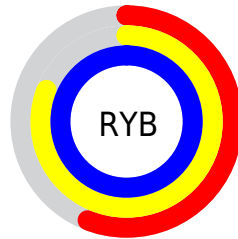
The XYZ color **60.7805, 82.8168, 85.4548** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.1696, 43.5096, 43.3637**, and the grayscale version is **66.6545, 70.1258, 76.3670**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **31.2078, 45.2057, 46.1105** is the 20% darker color. If you saturate the color by 10%, you get **56.0387, 80.4713, 80.7647**, and if you desaturate by 10%, it is **66.5569, 85.6920, 90.3632**.

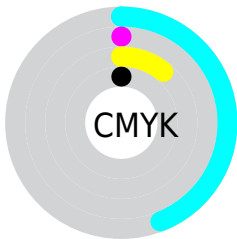
Distribution



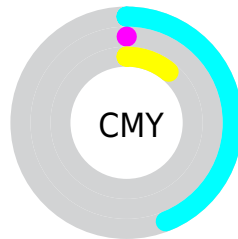
- Red (56%)
- Green (100%)
- Blue (89%)



- Red (56%)
- Yellow (81%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.7805, 82.8168, 85.4548 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 60.7805, 82.8168, 85.4548 by changing the saturation by 10% instead.


 60.7805, 82.8168,
85.4548


 60.7805, 82.8168,
85.4548


417.2575,
504.3758, 533.3156

 44.2999, 62.0390,
63.6649


 105.0610,
137.3188, 142.8882

 31.1053, 45.0642,
45.9349


 133.5916,
171.8119, 179.3689

 20.8312, 31.5080,
31.8461


166.8695,
211.6455, 221.5835

 13.1125, 20.9860,
20.9802

205.2602,
257.2041, 269.9507

 7.5836, 13.1138,
12.9184

249.1290,
308.8720, 324.8889

 3.8792, 7.5069,
7.2423

298.8413,

 1.6340, 3.7811,

367.0337, 386.8168

3.5334

354.7623,
432.0734, 456.1528

0.4144, 1.5519,
1.3730

0.0000, 0.3248,
0.1205

60.7805, 82.8168,
85.4548

60.7805, 82.8168,
85.4548

56.0387, 80.4713,
80.7647

66.5569, 85.6920,
90.3632

52.2591, 78.6181,
76.2836

73.4279, 89.1278,
95.4903

49.3644, 77.2175,
72.0073

81.4524, 93.1545,
100.8419

47.2638, 76.2226,
67.9300

90.6841, 97.7996,
106.4222

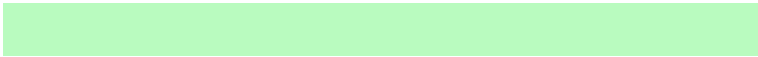
■ 45.8458, 75.5761, 95.0500, 100.0000,
64.0444 108.9000

■ 45.2541, 75.3176,
61.9150

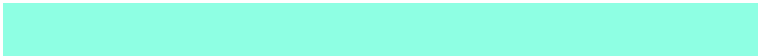
Harmonies

Analogous

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



63.7317, 82.8168, 61.7444



60.7805, 82.8168, 85.4548



62.2858, 82.8168, 116.0860

Triad

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



60.7805, 82.8168, 85.4548



87.3075, 82.8168, 151.0637



90.4574, 82.8168, 51.5770

Complementary

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



60.7805, 82.8168, 85.4548



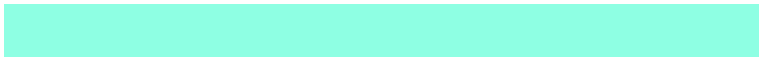
58.1696, 43.5096, 43.3637

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.



97.8052, 82.8168, 68.4359



60.7805, 82.8168, 85.4548



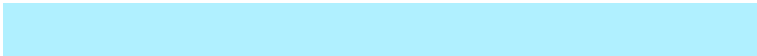
95.8796, 82.8168, 126.2126

Square

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



60.7805, 82.8168, 85.4548



77.0496, 82.8168, 158.3438



99.8699, 82.8168, 95.0626



80.4040, 82.8168, 45.0619

Rectangle

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



60.7805, 82.8168, 85.4548



65.6884, 82.8168, 135.9769



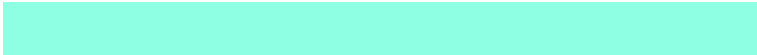
99.8699, 82.8168, 95.0626



93.3588, 82.8168, 56.0188

Sweetspot

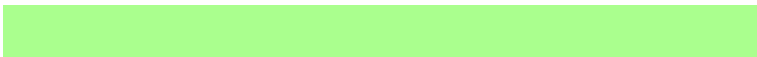
The Sweet Spot groups the original color and five complimentary colors.



60.7814, 82.8173, 85.4562



82.5938, 93.7281, 101.5609



57.2752, 82.0474, 38.4109



17.2701, 19.8564, 21.4798



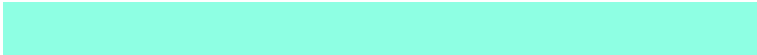
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



60.7814, 82.8173, 85.4562



56.6045, 80.7502, 81.3682



56.6071, 67.7732, 104.7058



18.3512, 20.4000, 22.1524



23.7089, 39.3801, 32.6819



2.3519, 3.8517, 3.4108

Inverse Universe

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



58.1696, 43.5096, 43.3637



53.7161, 36.9680, 34.5877



60.5450, 52.0576, 32.4499



18.1939, 18.0609, 19.6384



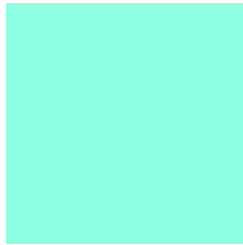
22.0697, 11.3172, 3.7518



2.1901, 1.1184, 0.5827

Previews

White Background



This preview shows how the XYZ color 60.7805, 82.8168, 85.4548 looks on a white background.

Color Contrast Check

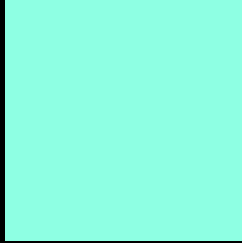
Large Text (above 18pt) WCAG AA × Fail

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 60.7805, 82.8168, 85.4548 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

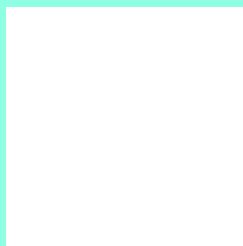
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 60.7805, 82.8168, 85.4548

Background



This preview shows how black text looks on a background with the XYZ color 60.7805, 82.8168, 85.4548.

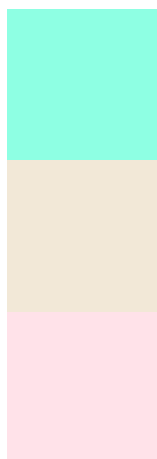


This preview shows how white text looks on a background with the XYZ color 60.7805, 82.8168,

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

60.7805, 82.8168, 85.4548

Protanopia

77.7403, 81.4968, 75.9231

Deuteranopia

83.1443, 81.5359, 88.4466



Tritanopia

71.5864, 82.3976, 106.7391

Trichromacy



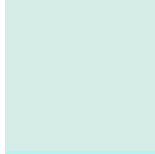
Original Color

60.7805, 82.8168, 85.4548



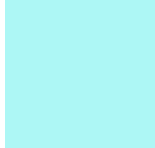
Protanomaly

69.3999, 80.5565, 78.9090



Deuteranomaly

72.4395, 80.6340, 87.3473



Tritanomaly

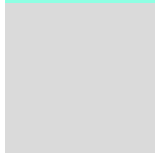
66.9758, 81.9983, 98.6835

Monochromacy



Original Color

60.7805, 82.8168, 85.4548



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.8623, 73.3194, 79.2455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.7805, 82.8168, 85.4548 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(142, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 227)  
}
```

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(142, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 227) }
```

Border

The CSS property to change the border of an element to XYZ 60.7805, 82.8168, 85.4548 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(142, 255, 227) }
```


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

```
.border{ border-color:rgb(142, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 227);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 60.7805, 82.8168, 85.4548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 255, 227) }
```

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

```
.background{ background-color: rgb(142,  
255, 227) }
```

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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