

Converting Colors

XYZ(62.8307, 85.9502, 88.7074)

Have a look what the booklet for
XYZ(62.8307, 85.9502, 88.7074)
contains.

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Color

**XYZ(61.3391, 83.0403,
88.3968)**

Conversions

Conversions Part 1

Format	Color
Hex	8EFFE7
RGB	142, 255, 231
RGB Percent	56%, 100%, 91%
CMY	0.4431, 0.0000, 0.0941
CMYK	0.44, 0.00, 0.09, 0.00
HSL	167°, 100%, 78%
HSV	167°, 44%, 100%
XYZ	61.3391, 83.0403, 88.3968
YIQ	218.4770, -59.6440, -31.4200

Conversions

Conversions Part 2

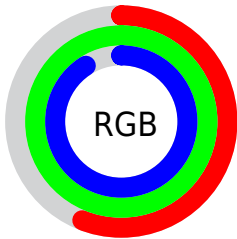
Format	Color
RYB	142, 205, 255
Decimal	9371623
CIELab	93.03, -37.88, 1.41
CIELCh	93, 37.907, 177.868
Yxy	83.0403, 0.2635, 0.3567
Android (android.graphics.Color)	4287561703 (0xFF8EFFE7)
YUV	218.4770, 6.1738, -67.0703
Hunter-Lab	91.1265, -39.3192, 6.2745

Details

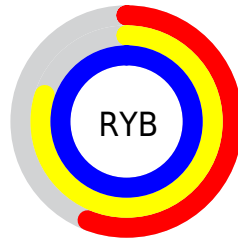
The XYZ color **61.3391, 83.0403, 88.3968** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.7966, 43.3603, 41.4004**, and the grayscale version is **66.9582, 70.4452, 76.7148**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **31.5978, 45.3618, 48.1646** is the 20% darker color. If you saturate the color by 10%, you get **56.7003, 80.7359, 84.2494**, and if you desaturate by 10%, it is **67.0041, 85.8709, 92.7186**.

Distribution



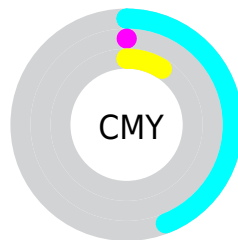
- Red (56%)
- Green (100%)
- Blue (91%)



- Red (56%)
- Yellow (80%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.3391, 83.0403, 88.3968 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 61.3391, 83.0403, 88.3968 by changing the saturation by 10% instead.


 61.3391, 83.0403,
88.3968


 61.3391, 83.0403,
88.3968


419.2723,
505.1208, 543.2367

 44.7525, 62.2234,
66.0855


 105.8651,
137.6319, 147.0255

 31.4629, 45.2132,
47.8849


 134.5352,
172.1754, 184.1799

 21.1052, 31.6254,
33.3764


167.9638,
212.0632, 227.1192

 13.3138, 21.0755,
22.1415

206.5163,
257.6797, 276.2618

 7.7235, 13.1792,
13.7616

250.5581,
309.4093, 332.0264

 3.9688, 7.5521,
7.8182

300.4544,

 1.6845, 3.8097,

367.6365, 394.8313

3.8927

356.5707,
432.7455, 465.0953

■ 0.4465, 1.5677,
1.5667

■ 0.0000, 0.3357,
0.2669

■ 61.3391, 83.0403,
88.3968

■ 61.3391, 83.0403,
88.3968

■ 56.7003, 80.7359,
84.2494

■ 67.0041, 85.8709,
92.7186

■ 53.0156, 78.9207,
80.2677

■ 73.7552, 89.2587,
97.2145

■ 50.2077, 77.5548,
76.4483

■ 81.6512, 93.2340,
101.8897

■ 48.1859, 76.5915,
72.7860

■ 90.7457, 97.8242,
106.7478

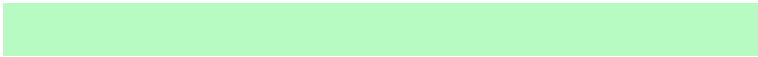
■ 46.8389, 75.9734, 95.0500, 100.0000,
69.2744 108.9000

■ 46.2842, 75.7297,
67.3396

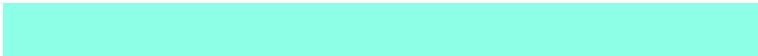
Harmonies

Analogous

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



63.8339, 83.0403, 64.3335



61.3391, 83.0403, 88.3968



63.2190, 83.0403, 118.4690

Triad

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



61.3391, 83.0403, 88.3968



88.1953, 83.0403, 147.9018



89.5274, 83.0403, 51.5577

Complementary

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



61.3391, 83.0403, 88.3968



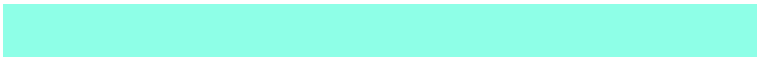
57.7966, 43.3603, 41.4004

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.



97.0434, 83.0403, 67.1841



61.3391, 83.0403, 88.3968



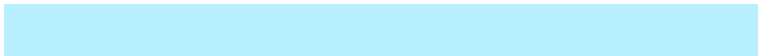
96.2301, 83.0403, 122.7403

Square

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



61.3391, 83.0403, 88.3968



78.2188, 83.0403, 156.8292



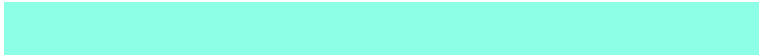
99.5922, 83.0403, 92.4673



79.6401, 83.0403, 46.0324

Rectangle

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



61.3391, 83.0403, 88.3968



66.7960, 83.0403, 137.3476



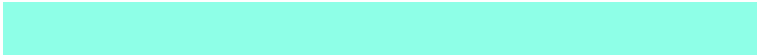
99.5922, 83.0403, 92.4673



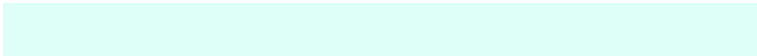
92.4452, 83.0403, 55.6175

Sweetspot

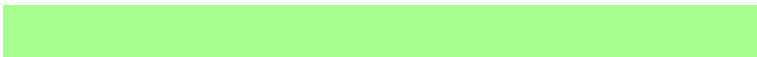
The Sweet Spot groups the original color and five complimentary colors.



61.3400, 83.0407, 88.3982



82.7753, 93.8007, 102.5167



56.4708, 81.6327, 38.3730



17.3152, 19.8745, 21.7175



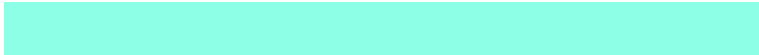
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



61.3400, 83.0407, 88.3982



57.2532, 81.0097, 84.7842



55.5895, 65.7381, 104.3666



18.3799, 20.4115, 22.3036



24.2415, 39.5932, 35.4865



2.3996, 3.8708, 3.6622

Inverse Universe

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



57.7966, 43.3603, 41.4004



53.3276, 36.8126, 32.5419



61.2625, 53.4927, 32.6888



18.1672, 18.0502, 19.4976



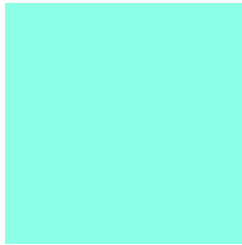
21.9424, 11.2662, 3.0811



2.1743, 1.1121, 0.4993

Previews

White Background



This preview shows how the XYZ color 61.3391, 83.0403, 88.3968 looks on a white background.

Color Contrast Check

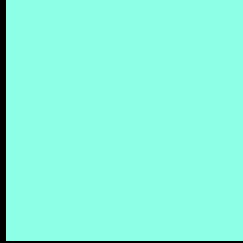
Large Text (above 18pt) WCAG AA × Fail

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 61.3391, 83.0403, 88.3968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

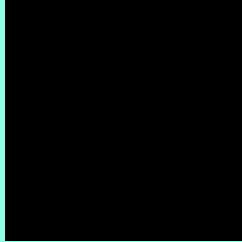
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

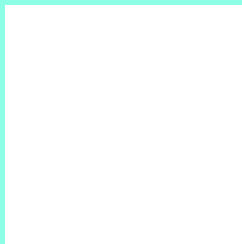
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.3391, 83.0403, 88.3968

Background



This preview shows how black text looks on a background with the XYZ color 61.3391, 83.0403, 88.3968.

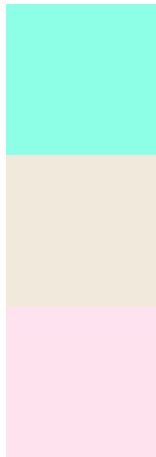


This preview shows how white text looks on a background with the XYZ color 61.3391, 83.0403,

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

61.3391, 83.0403, 88.3968

Protanopia

78.2007, 82.0931, 78.7418

Deuteranopia

83.3555, 81.5780, 91.4736



Tritanopia

71.8388, 82.5277, 106.7509

Trichromacy



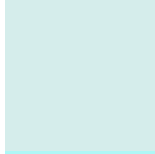
Original Color

61.3391, 83.0403, 88.3968



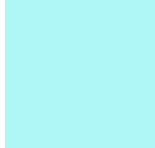
Protanomaly

69.9514, 81.2174, 81.8017



Deuteranomaly

72.7202, 80.7127, 90.3436



Tritanomaly

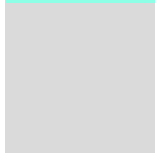
67.3509, 82.1740, 99.5002

Monochromacy



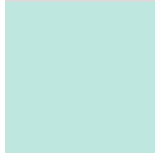
Original Color

61.3391, 83.0403, 88.3968



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

63.1304, 73.4267, 80.6575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3391, 83.0403, 88.3968 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, 231)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 231)  
}
```

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, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 61.3391, 83.0403, 88.3968 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, 231) }
```


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

```
.border{ border-color:rgb(142, 255, 231) }
```

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, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3391, 83.0403, 88.3968 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, 231) }
```

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

```
.background{ background-color: rgb(142,  
255, 231) }
```

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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