

Converting Colors

XYZ(70.9099, 100.0000,
91.3408)

Have a look what the booklet for
XYZ(70.9099, 100.0000, 91.3408)
contains.

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Color

**XYZ(62.7615, 83.7736,
88.4633)**

Conversions

Conversions Part 1

Format	Color
Hex	96FFE7
RGB	150, 255, 231
RGB Percent	59%, 100%, 91%
CMY	0.4118, 0.0000, 0.0941
CMYK	0.41, 0.00, 0.09, 0.00
HSL	166°, 100%, 79%
HSV	166°, 41%, 100%
XYZ	62.7615, 83.7736, 88.4633
YIQ	220.8690, -54.8760, -29.7240

Conversions

Conversions Part 2

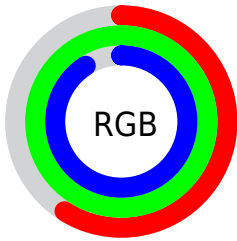
Format	Color
RYB	150, 209, 255
Decimal	9895911
CIELab	93.35, -35.95, 1.92
CIELCh	93, 35.996, 176.950
Yxy	83.7736, 0.2671, 0.3565
Android (android.graphics.Color)	4288085991 (0xFF96FFE7)
YUV	220.8690, 4.9946, -62.1521
Hunter-Lab	91.5279, -37.7748, 6.7647

Details

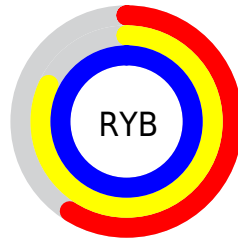
The XYZ color **62.7615, 83.7736, 88.4633** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.7871, 46.1299, 45.7981**, and the grayscale version is **68.6291, 72.2031, 78.6292**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **32.3456, 45.7586, 47.6849** is the 20% darker color. If you saturate the color by 10%, you get **57.7594, 81.2884, 84.0043**, and if you desaturate by 10%, it is **68.8137, 86.7968, 93.1173**.

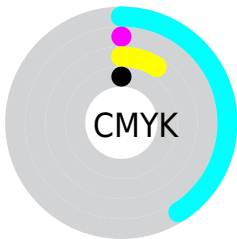
Distribution



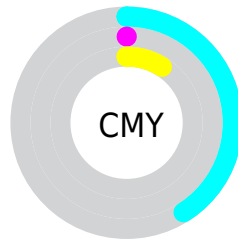
- Red (59%)
- Green (100%)
- Blue (91%)



- Red (59%)
- Yellow (82%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (41%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.7615, 83.7736, 88.4633 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 62.7615, 83.7736, 88.4633 by changing the saturation by 10% instead.


 62.7615, 83.7736,
88.4633


 62.7615, 83.7736,
88.4633


424.3768,
507.5611, 543.4598

 45.9062, 62.8285,
66.1403


 107.9091,
138.6584, 147.1188

 32.3761, 45.7025,
47.9291


 136.9321,
173.3670, 184.2884

 21.8059, 32.0111,
33.4112

170.7418,
213.4322, 227.2439

 13.8301, 21.3700,
22.1679

209.7034,
259.2383, 276.4040

 8.0835, 13.3947,
13.7808

254.1824,
311.1699, 332.1870

 4.2007, 7.7009,
7.8314

304.5440,

 1.8163, 3.9042,

369.6113, 395.0117

3.9010

361.1537,
434.9469, 465.2964

■ 0.5275, 1.6201,
1.5712

■ 0.0000, 0.3711,
0.2701

■ 62.7615, 83.7736,
88.4633

■ 62.7615, 83.7736,
88.4633

■ 57.7594, 81.2884,
84.0043

■ 68.8137, 86.7968,
93.1173

■ 53.7377, 79.3055,
79.7316

■ 75.9745, 90.3885,
97.9663

■ 50.6219, 77.7866,
75.6416

■ 84.3011, 94.5779,
103.0156

■ 48.3260, 76.6872,
71.7289

■ 93.8461, 99.3921,
108.2691

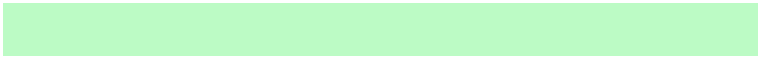
■ 46.7462, 75.9540, 95.0500, 100.0000,
67.9872 108.9000

■ 45.8056, 75.5382,
64.8194

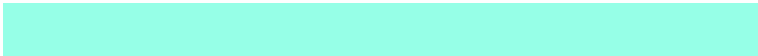
Harmonies

Analogous

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



65.2914, 83.7736, 65.5858



62.7615, 83.7736, 88.4633



64.4447, 83.7736, 117.0012

Triad

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



62.7615, 83.7736, 88.4633



88.1814, 83.7736, 146.1626



89.9934, 83.7736, 54.0577

Complementary

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



62.7615, 83.7736, 88.4633



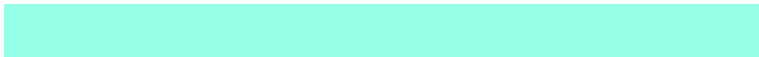
59.7871, 46.1299, 45.7981

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.



97.0179, 83.7736, 69.5269



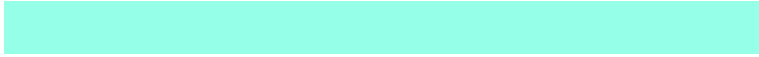
62.7615, 83.7736, 88.4633



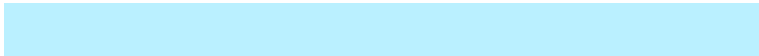
95.9147, 83.7736, 122.7783

Square

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



62.7615, 83.7736, 88.4633



78.6575, 83.7736, 153.9652



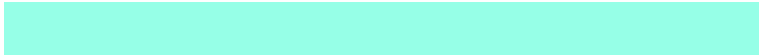
99.2655, 83.7736, 94.0236



80.5990, 83.7736, 48.3584

Rectangle

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



62.7615, 83.7736, 88.4633



67.8091, 83.7736, 134.9681



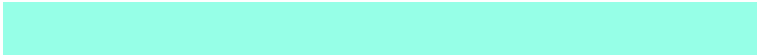
99.2655, 83.7736, 94.0236



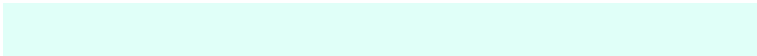
92.7379, 83.7736, 58.1156

Sweetspot

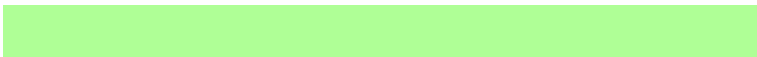
The Sweet Spot groups the original color and five complimentary colors.



62.7624, 83.7740, 88.4647



83.5688, 94.2090, 102.5914



58.8331, 82.7787, 41.7327



17.6426, 20.0414, 21.8156



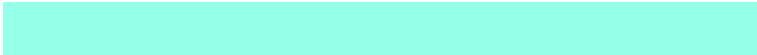
0.0000, 0.0000, 0.0000



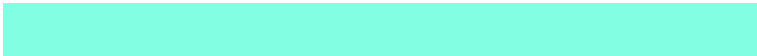
20.3446, 21.4041, 23.3091

Same Dimension

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



62.7624, 83.7740, 88.4647



58.7617, 81.7850, 84.9584



58.0977, 68.6431, 104.7951



18.3668, 20.4062, 22.2344



23.9941, 39.4942, 34.1840



2.3775, 3.8619, 3.5457

Inverse Universe

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



59.7871, 46.1299, 45.7981



55.4534, 39.7282, 37.3688



62.6662, 55.3040, 36.2275



18.1794, 18.0551, 19.5619



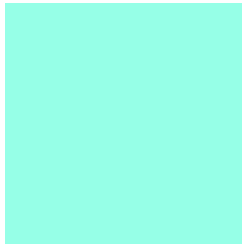
21.9980, 11.2885, 3.3741



2.1813, 1.1149, 0.5363

Previews

White Background



This preview shows how the XYZ color 62.7615, 83.7736, 88.4633 looks on a white background.

Color Contrast Check

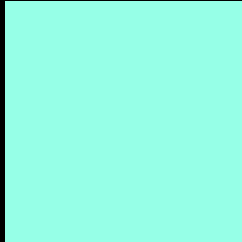
Large Text (above 18pt) WCAG AA × Fail

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 62.7615, 83.7736, 88.4633 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 62.7615, 83.7736, 88.4633

Background



This preview shows how black text looks on a background with the XYZ color 62.7615, 83.7736, 88.4633.

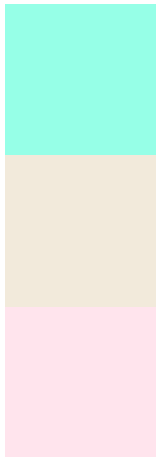


This preview shows how white text looks on a background with the XYZ color 62.7615, 83.7736,

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

62.7615, 83.7736, 88.4633

Protanopia

78.8270, 82.8374, 78.8524

Deuteranopia

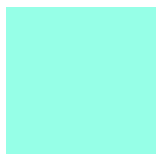
84.2695, 82.8612, 91.6731



Tritanopia

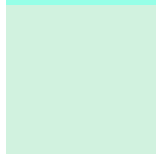
73.1265, 83.1915, 106.8111

Trichromacy



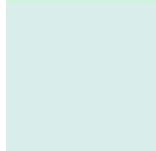
Original Color

62.7615, 83.7736, 88.4633



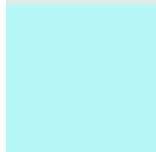
Protanomaly

71.3659, 82.3873, 81.9530



Deuteranomaly

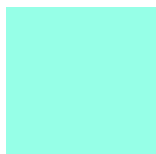
74.1852, 81.8989, 90.4954



Tritanomaly

68.7177, 82.8786, 99.5642

Monochromacy



Original Color

62.7615, 83.7736, 88.4633



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.2352, 75.3162, 82.3334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.7615, 83.7736, 88.4633 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(150, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(150, 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(150, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 62.7615, 83.7736, 88.4633 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(150, 255, 231) }
```


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

```
.border{ border-color:rgb(150, 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(150, 255, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 62.7615, 83.7736, 88.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 231) }
```

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

```
.background{ background-color: rgb(150,  
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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