

Converting Colors

XYZ(71.5261, 100.0000,
89.1298)

Have a look what the booklet for
XYZ(71.5261, 100.0000, 89.1298)
contains.

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Color

**XYZ(63.6682, 84.2895,
86.3126)**

Conversions

Conversions Part 1

Format	Color
Hex	9DFFE4
RGB	157, 255, 228
RGB Percent	62%, 100%, 89%
CMY	0.3843, 0.0000, 0.1059
CMYK	0.38, 0.00, 0.11, 0.00
HSL	163°, 100%, 81%
HSV	163°, 38%, 100%
XYZ	63.6682, 84.2895, 86.3126
YIQ	222.6200, -49.7410, -29.1730

Conversions

Conversions Part 2

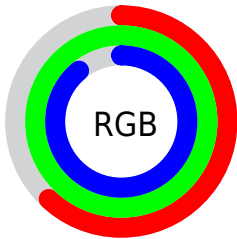
Format	Color
RYB	157, 214, 255
Decimal	10354660
CIELab	93.58, -34.82, 3.83
CIELCh	94, 35.034, 173.730
Yxy	84.2895, 0.2718, 0.3598
Android (android.graphics.Color)	4288544740 (0xFF9DFFE4)
YUV	222.6200, 2.6523, -57.5487
Hunter-Lab	91.8093, -36.8796, 8.5263

Details

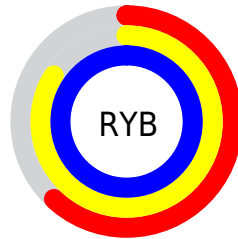
The XYZ color **63.6682, 84.2895, 86.3126** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **61.9494, 48.8358, 51.5093**, and the grayscale version is **69.8767, 73.5158, 80.0587**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **32.9924, 46.1146, 46.6973** is the 20% darker color. If you saturate the color by 10%, you get **58.2462, 81.6048, 81.0717**, and if you desaturate by 10%, it is **70.1698, 87.5262, 91.8137**.

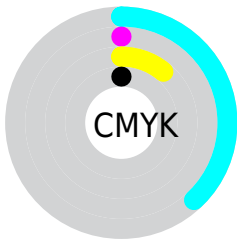
Distribution



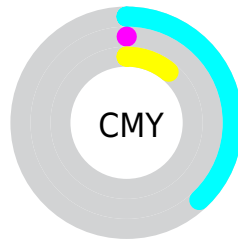
- Red (62%)
- Green (100%)
- Blue (89%)



- Red (62%)
- Yellow (84%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6682, 84.2895, 86.3126 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 63.6682, 84.2895, 86.3126 by changing the saturation by 10% instead.


 63.6682, 84.2895,
86.3126


 63.6682, 84.2895,
86.3126


427.6117,
509.2741, 536.2188

 46.6427, 63.2545,
64.3701


 109.2094,
139.3801, 144.0960

 32.9600, 46.0471,
46.5024


 138.4557,
174.2044, 180.7741

 22.2549, 32.2830,
32.2909


172.5063,
214.3940, 223.2010

 14.1620, 21.5778,
21.3172

211.7267,
260.3332, 271.7955

 8.3159, 13.5470,
13.1625

256.4820,
312.4064, 326.9760

 4.3512, 7.8063,
7.4085

307.1377,

 1.9027, 3.9712,

370.9980, 389.1610

3.6366

364.0592,
436.4925, 458.7691

■ 0.5784, 1.6575,
1.4282

■ 0.0000, 0.3959,
0.1635

■ 63.6682, 84.2895,
86.3126

■ 63.6682, 84.2895,
86.3126

■ 58.2462, 81.6048,
81.0717

■ 70.1698, 87.5262,
91.8137

■ 53.8356, 79.4369,
76.0812

■ 77.8082, 91.3443,
97.5760

■ 50.3644, 77.7488,
71.3367

■ 86.6398, 95.7729,
103.6056

■ 47.7495, 76.4978,
66.8318

95.0500, 100.0000,
108.9000

■ 45.8928, 75.6333,
62.5593

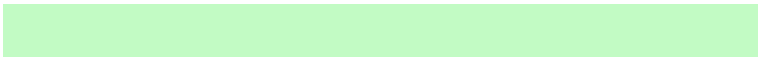
■ 44.6571, 75.0846,
58.5101

■ 44.4903, 75.0121,
57.8932

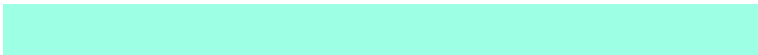
Harmonies

Analogous

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



66.5839, 84.2895, 64.7643



63.6682, 84.2895, 86.3126



64.8774, 84.2895, 113.8946

Triad

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



63.6682, 84.2895, 86.3126



87.5051, 84.2895, 146.9008



91.1310, 84.2895, 56.4607

Complementary

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



63.6682, 84.2895, 86.3126



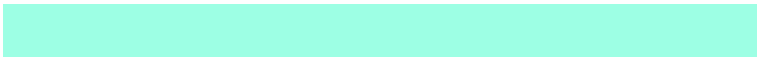
61.9494, 48.8358, 51.5093

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.



97.5683, 84.2895, 72.7258



63.6682, 84.2895, 86.3126



95.3645, 84.2895, 125.4169

Square

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



63.6682, 84.2895, 86.3126



78.1832, 84.2895, 152.4581



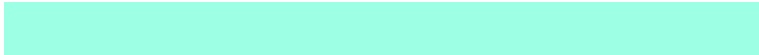
99.1743, 84.2895, 97.4672



82.0776, 84.2895, 49.8057

Rectangle

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



63.6682, 84.2895, 86.3126



67.9104, 84.2895, 131.7876



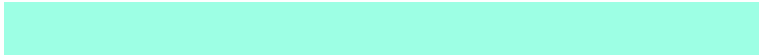
99.1743, 84.2895, 97.4672



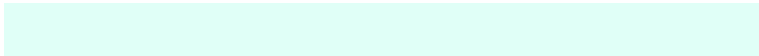
93.6999, 84.2895, 60.8144

Sweetspot

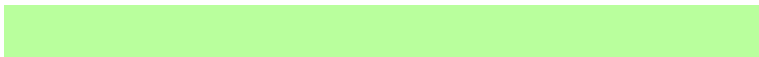
The Sweet Spot groups the original color and five complimentary colors.



63.6691, 84.2900, 86.3140



83.3468, 94.1201, 101.4221



61.7980, 84.2400, 44.9026



17.5901, 20.0204, 21.5393



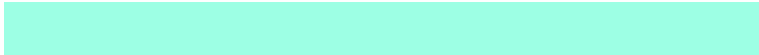
0.0000, 0.0000, 0.0000



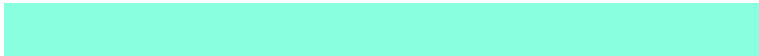
20.3446, 21.4041, 23.3091

Same Dimension

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



63.6691, 84.2900, 86.3140



59.4683, 82.2084, 82.3223



61.3119, 73.1017, 105.4863



18.3288, 20.3911, 22.0344



23.3135, 39.2220, 30.6000



2.3162, 3.8374, 3.2227

Inverse Universe

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



61.9494, 48.8358, 51.5093



57.5427, 42.2539, 43.1612



63.2934, 55.6292, 39.3013



18.2150, 18.0693, 19.7492



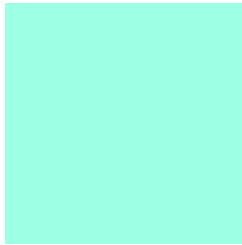
22.1843, 11.3630, 4.3549



2.2038, 1.1239, 0.6545

Previews

White Background



This preview shows how the XYZ color 63.6682, 84.2895, 86.3126 looks on a white background.

Color Contrast Check

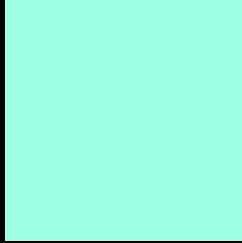
Large Text (above 18pt) WCAG AA × Fail

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 63.6682, 84.2895, 86.3126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

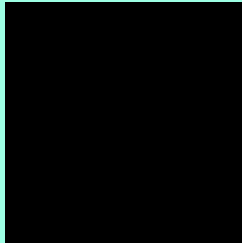
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

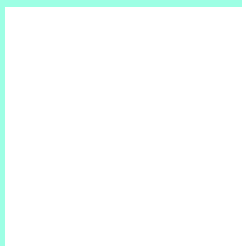
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6682, 84.2895, 86.3126

Background



This preview shows how black text looks on a background with the XYZ color 63.6682, 84.2895, 86.3126.

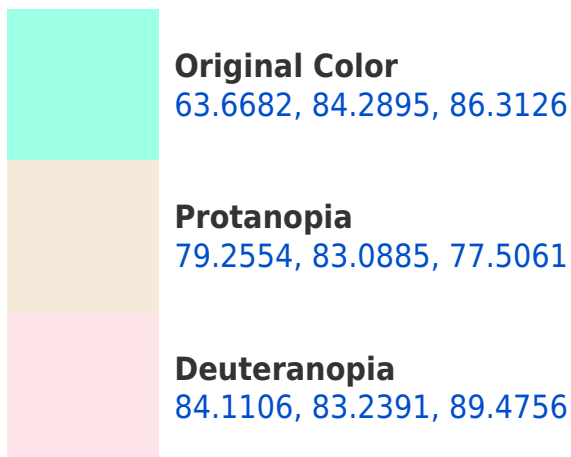


This preview shows how white text looks on a background with the XYZ color 63.6682, 84.2895,

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





Tritanopia

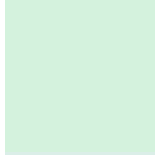
73.9200, 83.6005, 106.8483

Trichromacy



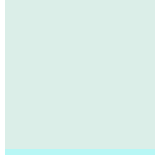
Original Color

63.6682, 84.2895, 86.3126



Protanomaly

71.9547, 82.7218, 80.5811



Deuteranomaly

74.3534, 82.0353, 88.2595



Tritanomaly

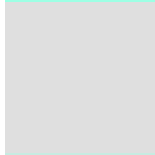
69.5094, 83.3044, 98.8020

Monochromacy



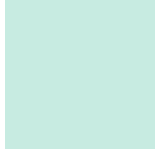
Original Color

63.6682, 84.2895, 86.3126



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.8521, 76.9950, 82.5722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6682, 84.2895, 86.3126 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(157, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(157, 255, 228)  
}
```

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(157, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 255, 228) }
```

Border

The CSS property to change the border of an element to XYZ 63.6682, 84.2895, 86.3126 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(157, 255, 228) }
```


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

```
.border{ border-color:rgb(157, 255, 228) }
```

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

Here you see how a box with a 4 pixel rgb(157, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(157, 255,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6682, 84.2895, 86.3126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 255, 228) }
```

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

```
.background{ background-color: rgb(157,  
255, 228) }
```

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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