

Converting Colors

XYZ(63.2935, 84.0510, 88.3465)

Have a look what the booklet for
XYZ(63.2935, 84.0510, 88.3465)
contains.

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Color

**XYZ(63.3207, 84.0618,
88.4895)**

Conversions

Conversions Part 1

Format	Color
Hex	99FFE7
RGB	153, 255, 231
RGB Percent	60%, 100%, 91%
CMY	0.4000, 0.0000, 0.0941
CMYK	0.40, 0.00, 0.09, 0.00
HSL	166°, 100%, 80%
HSV	166°, 40%, 100%
XYZ	63.3207, 84.0618, 88.4895
YIQ	221.7660, -53.0880, -29.0880

Conversions

Conversions Part 2

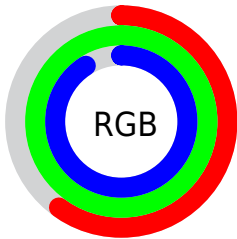
Format	Color
RYB	153, 211, 255
Decimal	10092519
CIELab	93.48, -35.20, 2.11
CIELCh	93, 35.259, 176.564
Yxy	84.0618, 0.2685, 0.3564
Android (android.graphics.Color)	4288282599 (0xFF99FFE7)
YUV	221.7660, 4.5524, -60.3078
Hunter-Lab	91.6852, -37.1714, 6.9562

Details

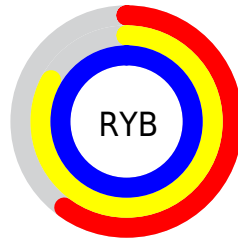
The XYZ color **63.3207, 84.0618, 88.4895** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.5678, 47.2181, 47.5177**, and the grayscale version is **69.2619, 72.8689, 79.3543**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **32.7558, 45.9701, 47.7041** is the 20% darker color. If you saturate the color by 10%, you get **58.1785, 81.5072, 83.9018**, and if you desaturate by 10%, it is **69.5222, 87.1592, 93.2812**.

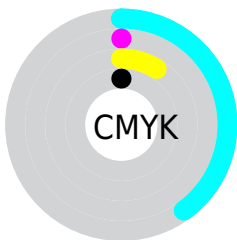
Distribution



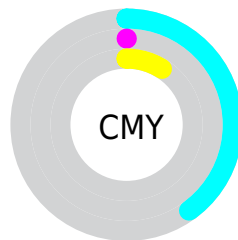
- Red (60%)
- Green (100%)
- Blue (91%)



- Red (60%)
- Yellow (83%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (9%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3207, 84.0618, 88.4895 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 63.3207, 84.0618, 88.4895 by changing the saturation by 10% instead.


 63.3207, 84.0618,
88.4895


 63.3207, 84.0618,
88.4895


426.3736,
508.5184, 543.5477

 46.3603, 63.0665,
66.1619


 108.7113,
139.0616, 147.1556

 32.7361, 45.8950,
47.9465


 137.8722,
173.8349, 184.3311

 22.0826, 32.1630,
33.4248

171.8306,
213.9696, 227.2931

 14.0346, 21.4860,
22.1783

210.9520,
259.8501, 276.4600

 8.2266, 13.4797,
13.7884

255.6016,
311.8609, 332.2503

 4.2933, 7.7597,
7.8366

306.1449,

 1.8694, 3.9416,

370.3863, 395.0827

3.9043

362.9471,
435.8106, 465.3757

■ 0.5589, 1.6409,
1.5730

■ 0.0000, 0.3850,
0.2714

■ 63.3207, 84.0618,
88.4895

■ 63.3207, 84.0618,
88.4895

■ 58.1785, 81.5072,
83.9018

■ 69.5222, 87.1592,
93.2812

■ 54.0264, 79.4596,
79.5092

■ 76.8407, 90.8290,
98.2769

■ 50.7913, 77.8814,
75.3082

■ 85.3331, 95.1006,
103.4822

■ 48.3883, 76.7290,
71.2932

95.0500, 100.0000,
108.9000

■ 46.7164, 75.9503,
67.4580

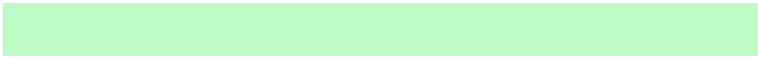
■ 45.6108, 75.4603,
63.7931

■ 45.6106, 75.4602,
63.7926

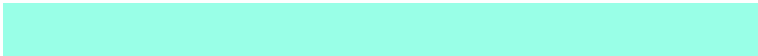
Harmonies

Analogous

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



65.8648, 84.0618, 66.0758



63.3207, 84.0618, 88.4895



64.9257, 84.0618, 116.4369

Triad

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



63.3207, 84.0618, 88.4895



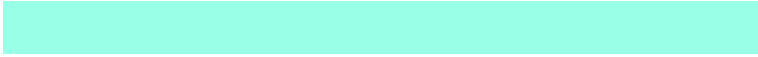
88.1782, 84.0618, 145.4992



90.1785, 84.0618, 55.0507

Complementary

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



63.3207, 84.0618, 88.4895



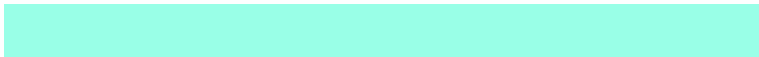
60.5678, 47.2181, 47.5177

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.



97.0119, 84.0618, 70.4535



63.3207, 84.0618, 88.4895



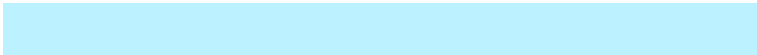
95.7955, 84.0618, 122.8001

Square

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



63.3207, 84.0618, 88.4895



78.8297, 84.0618, 152.8702



99.1426, 84.0618, 94.6373



80.9763, 84.0618, 49.2820

Rectangle

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



63.3207, 84.0618, 88.4895



68.2062, 84.0618, 134.0559



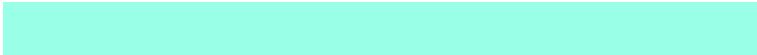
99.1426, 84.0618, 94.6373



92.8555, 84.0618, 59.1066

Sweetspot

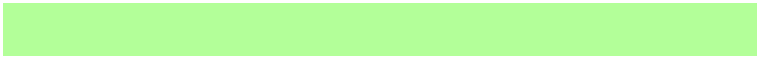
The Sweet Spot groups the original color and five complimentary colors.



63.3217, 84.0623, 88.4910



83.5369, 94.1962, 102.4234



59.9858, 83.3446, 43.0642



17.6350, 20.0384, 21.7759



0.0000, 0.0000, 0.0000



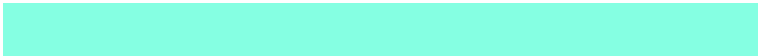
20.3446, 21.4041, 23.3091

Same Dimension

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



63.3217, 84.0623, 88.4910



59.1249, 81.9761, 84.8031



59.3457, 70.3089, 105.0509



18.3613, 20.4041, 22.2057



23.8933, 39.4539, 33.6530



2.3685, 3.8583, 3.4981

Inverse Universe

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



60.5678, 47.2181, 47.5177



56.0411, 40.5130, 38.7690



63.0107, 55.6013, 37.5497



18.1845, 18.0571, 19.5887



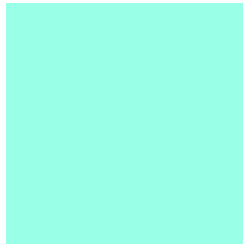
22.0224, 11.2983, 3.5025



2.1843, 1.1161, 0.5522

Previews

White Background



This preview shows how the XYZ color 63.3207, 84.0618, 88.4895 looks on a white background.

Color Contrast Check

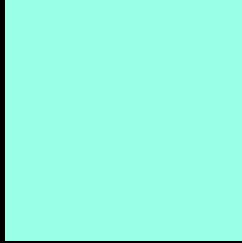
Large Text (above 18pt) WCAG AA × Fail

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 63.3207, 84.0618, 88.4895 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

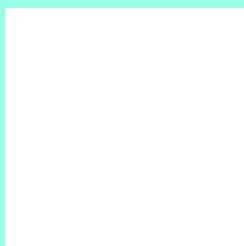
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3207, 84.0618, 88.4895

Background



This preview shows how black text looks on a background with the XYZ color 63.3207, 84.0618, 88.4895.

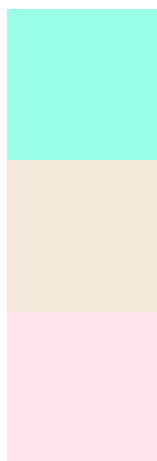


This preview shows how white text looks on a background with the XYZ color 63.3207, 84.0618,

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

63.3207, 84.0618, 88.4895

Protanopia

79.1711, 83.0148, 78.8685

Deuteranopia

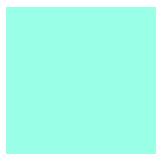
84.2695, 82.8612, 91.6731



Tritanopia

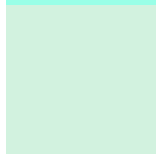
73.6538, 83.4633, 106.8358

Trichromacy



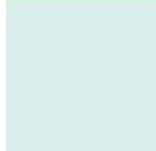
Original Color

63.3207, 84.0618, 88.4895



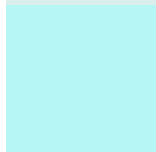
Protanomaly

71.6498, 82.5336, 81.9663



Deuteranomaly

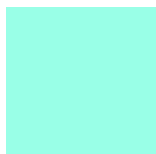
74.4834, 82.0527, 90.5093



Tritanomaly

69.1867, 83.1204, 99.5861

Monochromacy



Original Color

63.3207, 84.0618, 88.4895



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.0394, 76.1522, 82.4524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3207, 84.0618, 88.4895 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(153, 255, 231)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 255, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 255, 231) }
```

Border

The CSS property to change the border of an element to XYZ 63.3207, 84.0618, 88.4895 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(153, 255, 231) }
```


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

```
.border{ border-color:rgb(153, 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(153, 255, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 255, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 255, 231);  
box-shadow:4px 4px 4px 4px rgb(153, 255,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3207, 84.0618, 88.4895 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 255, 231) }
```

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

```
.background{ background-color: rgb(153,  
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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