

Converting Colors

XYZ(71.1863, 100.0000,
95.3670)

Have a look what the booklet for
XYZ(71.1863, 100.0000, 95.3670)
contains.

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Color

**XYZ(63.2588, 83.9303,
92.9868)**

Conversions

Conversions Part 1

Format	Color
Hex	94FFED
RGB	148, 255, 237
RGB Percent	58%, 100%, 93%
CMY	0.4196, 0.0000, 0.0706
CMYK	0.42, 0.00, 0.07, 0.00
HSL	170°, 100%, 79%
HSV	170°, 42%, 100%
XYZ	63.2588, 83.9303, 92.9868
YIQ	220.9550, -57.9940, -28.2820

Conversions

Conversions Part 2

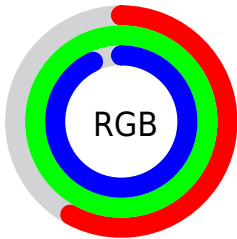
Format	Color
RYB	148, 206, 255
Decimal	9764845
CIELab	93.42, -35.09, -1.10
CIELCh	93, 35.109, 181.788
Yxy	83.9303, 0.2634, 0.3495
Android (android.graphics.Color)	4287954925 (0xFF94FFED)
YUV	220.9550, 7.9102, -63.9815
Hunter-Lab	91.6135, -37.0699, 3.9507

Details

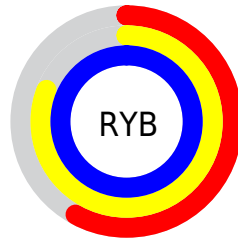
The XYZ color **63.2588, 83.9303, 92.9868** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.7137, 45.1943, 41.7063**, and the grayscale version is **68.6712, 72.2475, 78.6775**.

A 20% lighter version of the original color is **79.2636, 91.8618, 108.1612**, and **32.7510, 45.8980, 50.8491** is the 20% darker color. If you saturate the color by 10%, you get **58.5245, 81.5612, 89.5339**, and if you desaturate by 10%, it is **69.0260, 86.8301, 96.5692**.

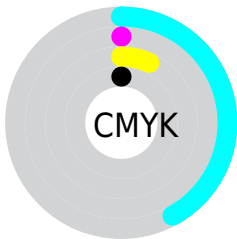
Distribution



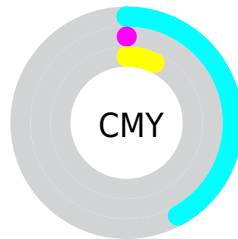
- Red (58%)
- Green (100%)
- Blue (93%)



- Red (58%)
- Yellow (81%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (42%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2588, 83.9303, 92.9868 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 63.2588, 83.9303, 92.9868 by changing the saturation by 10% instead.


 63.2588, 83.9303,
92.9868


 63.2588, 83.9303,
92.9868


426.1529,
508.0818, 558.5185

 46.3100, 62.9579,
69.8729


 108.6225,
138.8777, 153.4519

 32.6962, 45.8071,
50.9468


 137.7682,
173.6214, 191.6402

 22.0519, 32.0937,
35.7898


171.7102,
213.7244, 235.6904

 14.0119, 21.4330,
23.9835

210.8139,
259.5710, 286.0210

 8.2107, 13.4409,
15.1093

255.4447,
311.5457, 343.0505

 4.2830, 7.7329,
8.7487

305.9678,

 1.8634, 3.9245,

370.0328, 407.1976

4.4830

362.7488,
435.4167, 478.8808

■ 0.5555, 1.6314,
1.8939

■ 0.0000, 0.3786,
0.4889

■ 63.2588, 83.9303,
92.9868

■ 63.2588, 83.9303,
92.9868

■ 58.5245, 81.5612,
89.5339

■ 69.0260, 86.8301,
96.5692

■ 54.7526, 79.6866,
86.2023

■ 75.8845, 90.2908,
100.2801

■ 51.8683, 78.2678,
82.9894

■ 83.8919, 94.3419,
104.1240

■ 49.7845, 77.2600,
79.8906

■ 93.1008, 99.0107,
108.1040

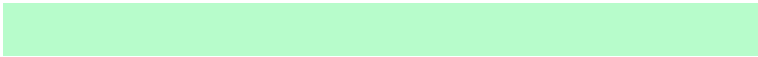
■ 48.3960, 76.6089, 95.0500, 100.0000,
76.9005 108.9000

■ 47.6570, 76.2788,
74.5686

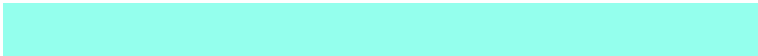
Harmonies

Analogous

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



65.0818, 83.9303, 69.3259



63.2588, 83.9303, 92.9868



65.5682, 83.9303, 120.9834

Triad

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



63.2588, 83.9303, 92.9868



89.5306, 83.9303, 141.9762



88.4950, 83.9303, 53.3959

Complementary

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



63.2588, 83.9303, 92.9868



58.7137, 45.1943, 41.7063

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.



95.8946, 83.9303, 67.0579



63.2588, 83.9303, 92.9868



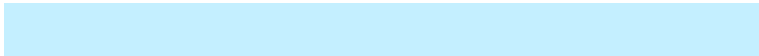
96.5243, 83.9303, 117.6898

Square

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



63.2588, 83.9303, 92.9868



80.3303, 83.9303, 152.4562



98.9374, 83.9303, 89.8033



79.2187, 83.9303, 49.2872

Rectangle

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



63.2588, 83.9303, 92.9868



69.2529, 83.9303, 137.6221



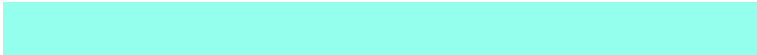
98.9374, 83.9303, 89.8033



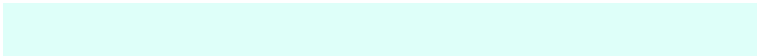
91.3085, 83.9303, 56.8735

Sweetspot

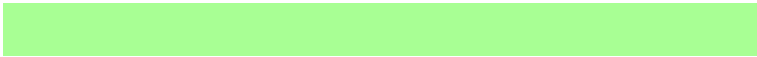
The Sweet Spot groups the original color and five complimentary colors.



63.2598, 83.9308, 92.9883



83.0033, 93.8919, 103.7176



57.1733, 81.9414, 40.8216



17.3720, 19.8972, 22.0164



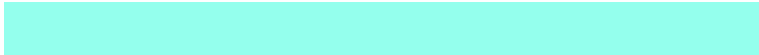
0.0000, 0.0000, 0.0000



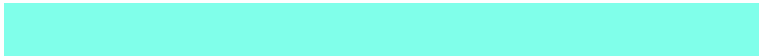
20.3446, 21.4041, 23.3091

Same Dimension

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



63.2598, 83.9308, 92.9883



59.3741, 81.9854, 90.2008



56.1511, 65.2915, 104.2508



18.4159, 20.4259, 22.4932



24.9502, 39.8767, 39.2189



2.4625, 3.8959, 3.9935

Inverse Universe

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



58.7137, 45.1943, 41.7063



54.3147, 38.7365, 33.0259



63.2902, 56.8075, 35.6478



18.1340, 18.0369, 19.3229



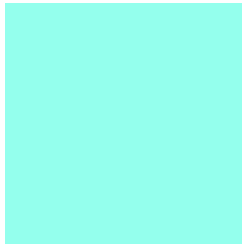
21.8118, 11.2140, 2.3936



2.1569, 1.1052, 0.4079

Previews

White Background



This preview shows how the XYZ color 63.2588, 83.9303, 92.9868 looks on a white background.

Color Contrast Check

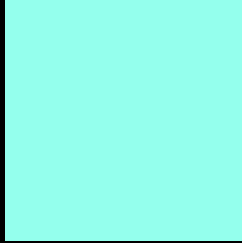
Large Text (above 18pt) WCAG AA × Fail

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 63.2588, 83.9303, 92.9868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

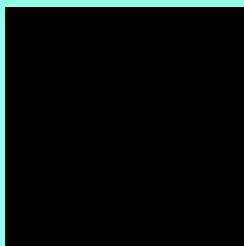
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

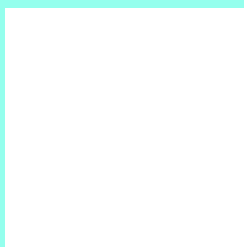
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.2588, 83.9303, 92.9868

Background



This preview shows how black text looks on a background with the XYZ color 63.2588, 83.9303, 92.9868.

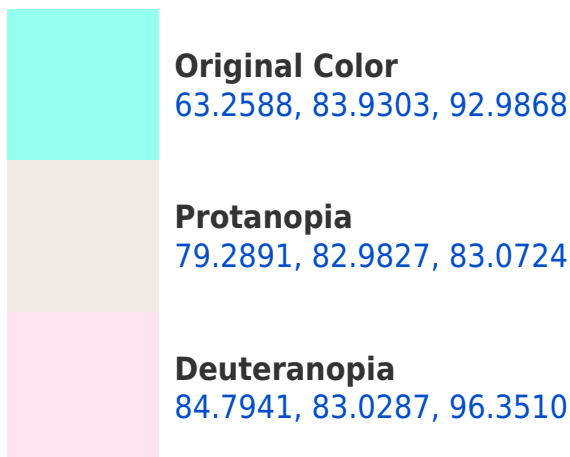


This preview shows how white text looks on a background with the XYZ color 63.2588, 83.9303,

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

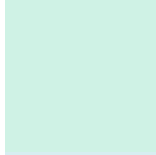
73.1265, 83.1915, 106.8111

Trichromacy



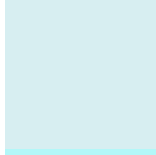
Original Color

63.2588, 83.9303, 92.9868



Protanomaly

71.6271, 82.4268, 86.2636



Deuteranomaly

74.4761, 81.9470, 95.1111



Tritanomaly

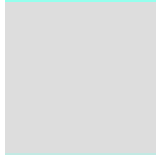
68.7944, 82.8825, 101.1790

Monochromacy



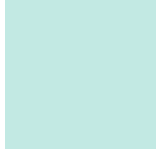
Original Color

63.2588, 83.9303, 92.9868



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

65.2522, 75.2932, 83.7669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2588, 83.9303, 92.9868 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(148, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(148, 255, 237)  
}
```

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(148, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 63.2588, 83.9303, 92.9868 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(148, 255, 237) }
```


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

```
.border{ border-color:rgb(148, 255, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(148, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2588, 83.9303, 92.9868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 255, 237) }
```

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

```
.background{ background-color: rgb(148,  
255, 237) }
```

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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