

Converting Colors

XYZ(62.9720, 83.6943, 96.9575)

Have a look what the booklet for
XYZ(62.9720, 83.6943, 96.9575)
contains.

XYZ(62.9423, 83.6816, 96.8392)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(62.9423, 83.6816,
96.8392)**

Conversions

Conversions Part 1

Format	Color
Hex	8EFFF2
RGB	142, 255, 242
RGB Percent	56%, 100%, 95%
CMY	0.4431, 0.0000, 0.0510
CMYK	0.44, 0.00, 0.05, 0.00
HSL	173°, 100%, 78%
HSV	173°, 44%, 100%
XYZ	62.9423, 83.6816, 96.8392
YIQ	219.7310, -63.1750, -27.9990

Conversions

Conversions Part 2

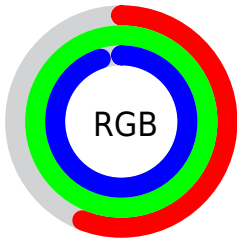
Format	Color
R_{YB}	142, 202, 255
Decimal	9371634
CIE _{Lab}	93.31, -35.35, -3.87
CIE _{LCh}	93, 35.566, 186.242
Yxy	83.6816, 0.2585, 0.3437
Android (android.graphics.Color)	4287561714 (0xFF8EFFF2)
YUV	219.7310, 10.9786, -68.1701
Hunter-Lab	91.4776, -37.2668, 1.2693

Details

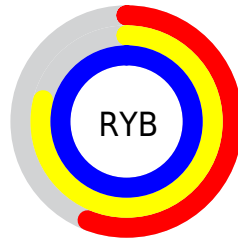
The XYZ color **62.9423, 83.6816, 96.8392** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.8302, 42.9738, 36.3108**, and the grayscale version is **67.7977, 71.3284, 77.6766**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **32.5367, 45.7272, 53.5657** is the 20% darker color. If you saturate the color by 10%, you get **58.6198, 81.5037, 94.3567**, and if you desaturate by 10%, it is **68.2746, 86.3791, 99.4087**.

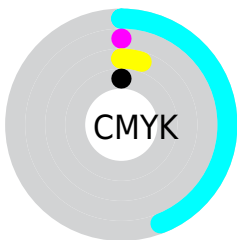
Distribution



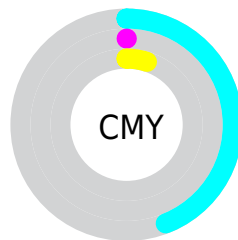
- Red (56%)
- Green (100%)
- Blue (95%)



- Red (56%)
- Yellow (79%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9423, 83.6816, 96.8392 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 62.9423, 83.6816, 96.8392 by changing the saturation by 10% instead.


 62.9423, 83.6816,
96.8392


 62.9423, 83.6816,
96.8392


425.0230,
507.2553, 571.1704

 46.0530, 62.7526,
73.0614


 108.1685,
138.5297, 158.8205

 32.4924, 45.6411,
53.5340


 137.2362,
173.2176, 197.8610

 21.8953, 31.9627,
37.8386

171.0940,
213.2605, 242.8261

 13.8961, 21.3330,
25.5566

210.1074,
259.0430, 294.1345

 8.1297, 13.3676,
16.2694

254.6416,
310.9493, 352.2045

 4.2305, 7.6822,
9.5586

305.0620,

 1.8334, 3.8923,

369.3638, 417.4548

5.0055

361.7341,
434.6710, 490.3040

■ 0.5377, 1.6135,
2.1917

■ 0.0000, 0.3667,
0.6696

■ 62.9423, 83.6816,
96.8392

■ 62.9423, 83.6816,
96.8392

■ 58.6198, 81.5037,
94.3567

■ 68.2746, 86.3791,
99.4087

■ 55.2348, 79.8083,
91.9533

■ 74.6762, 89.6271,
102.0639

■ 52.7103, 78.5558,
89.6268

■ 82.2057, 93.4558,
104.8091

■ 50.9559, 77.6995,
87.3727

■ 90.9166, 97.8926,
107.6470

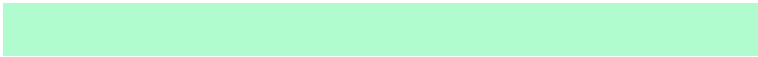
■ 49.8605, 77.1820, 95.0500, 100.0000,
85.1856 108.9000

■ 49.4418, 76.9927,
83.9673

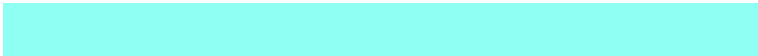
Harmonies

Analogous

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



64.1647, 83.6816, 71.8734



62.9423, 83.6816, 96.8392



65.8767, 83.6816, 125.1391

Triad

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



62.9423, 83.6816, 96.8392



90.6672, 83.6816, 139.3712



87.0161, 83.6816, 51.5885

Complementary

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



62.9423, 83.6816, 96.8392



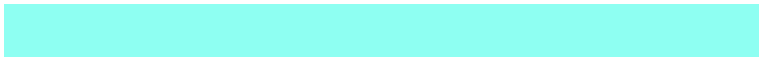
56.8302, 42.9738, 36.3108

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.



94.9657, 83.6816, 63.8953



62.9423, 83.6816, 96.8392



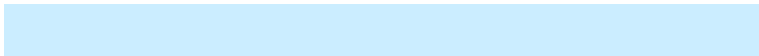
97.1868, 83.6816, 113.5166

Square

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



62.9423, 83.6816, 96.8392



81.5112, 83.6816, 152.6125



98.8184, 83.6816, 85.6210



77.5946, 83.6816, 48.8557

Rectangle

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



62.9423, 83.6816, 96.8392



69.9422, 83.6816, 141.0806



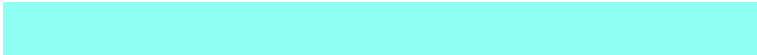
98.8184, 83.6816, 85.6210



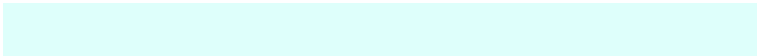
89.9712, 83.6816, 54.6061

Sweetspot

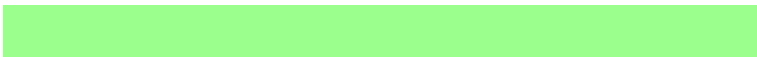
The Sweet Spot groups the original color and five complimentary colors.



62.9433, 83.6821, 96.8407



83.2803, 94.0027, 105.1762



54.1962, 80.4602, 38.2667



17.4410, 19.9248, 22.3801



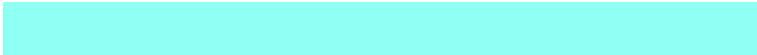
0.0000, 0.0000, 0.0000



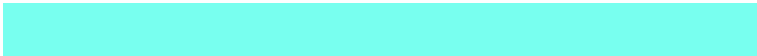
20.3446, 21.4041, 23.3091

Same Dimension

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



62.9433, 83.6821, 96.8407



59.1320, 81.7612, 94.6779



52.6708, 59.9007, 103.3937



18.4596, 20.4434, 22.7230



25.8703, 40.2447, 44.0639



2.5434, 3.9283, 4.4192

Inverse Universe

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



56.8302, 42.9738, 36.3108



52.3396, 36.4173, 27.3390



63.5386, 58.0447, 33.4477



18.0943, 18.0210, 19.1139



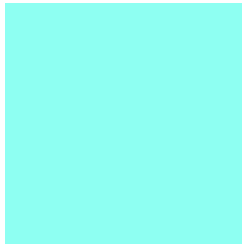
21.6936, 11.1667, 1.7711



2.1383, 1.0977, 0.3098

Previews

White Background



This preview shows how the XYZ color 62.9423, 83.6816, 96.8392 looks on a white background.

Color Contrast Check

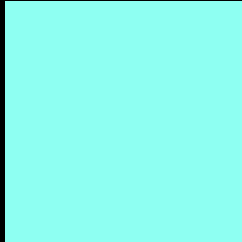
Large Text (above 18pt) WCAG AA × Fail

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 62.9423, 83.6816, 96.8392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

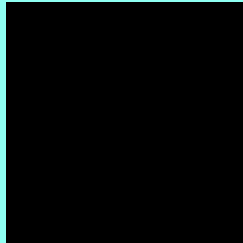
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

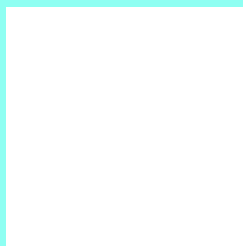
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.9423, 83.6816, 96.8392

Background



This preview shows how black text looks on a background with the XYZ color 62.9423, 83.6816, 96.8392.

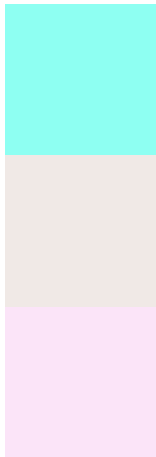


This preview shows how white text looks on a background with the XYZ color 62.9423, 83.6816,

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

62.9423, 83.6816, 96.8392

Protanopia

79.3570, 82.5163, 86.6076

Deuteranopia

84.4703, 82.7733, 100.3317



Tritanopia

72.3487, 82.7905, 106.7747

Trichromacy



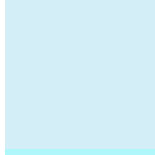
Original Color

62.9423, 83.6816, 96.8392



Protanomaly

71.2084, 81.6885, 89.8563



Deuteranomaly

74.0731, 81.6518, 99.0451



Tritanomaly

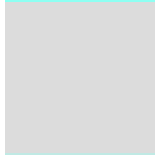
68.1953, 82.5376, 102.7796

Monochromacy



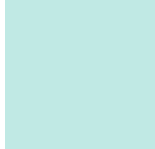
Original Color

62.9423, 83.6816, 96.8392



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.8807, 75.0857, 84.4722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9423, 83.6816, 96.8392 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(142, 255, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 255, 242) }
```

Border

The CSS property to change the border of an element to XYZ 62.9423, 83.6816, 96.8392 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, 242) }
```


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

```
.border{ border-color:rgb(142, 255, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(142, 255,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9423, 83.6816, 96.8392 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, 242) }
```

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

```
.background{ background-color: rgb(142,  
255, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor