

Converting Colors

XYZ(71.0634, 100.0000,
95.8223)

Have a look what the booklet for
XYZ(71.0634, 100.0000, 95.8223)
contains.

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Color

**XYZ(62.9001, 83.7454,
92.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	92FFED
RGB	146, 255, 237
RGB Percent	57%, 100%, 93%
CMY	0.4274, 0.0000, 0.0706
CMYK	0.43, 0.00, 0.07, 0.00
HSL	170°, 100%, 79%
HSV	170°, 43%, 100%
XYZ	62.9001, 83.7454, 92.9701
YIQ	220.3570, -59.1860, -28.7060

Conversions

Conversions Part 2

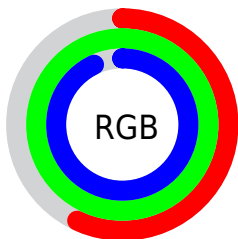
Format	Color
RYB	146, 205, 255
Decimal	9633773
CIELab	93.34, -35.57, -1.22
CIELCh	93, 35.593, 181.968
Yxy	83.7454, 0.2625, 0.3495
Android (android.graphics.Color)	4287823853 (0xFF92FFED)
YUV	220.3570, 8.2050, -65.2111
Hunter-Lab	91.5125, -37.4569, 3.8244

Details

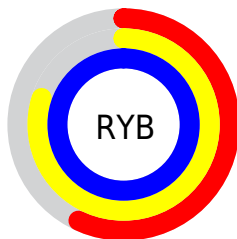
The XYZ color **62.9001, 83.7454, 92.9701** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.2205, 44.4994, 40.6436**, and the grayscale version is **68.2511, 71.8054, 78.1961**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **32.4651, 45.7506, 50.8357** is the 20% darker color. If you saturate the color by 10%, you get **58.2540, 81.4205, 89.5799**, and if you desaturate by 10%, it is **68.5735, 86.5982, 96.4866**.

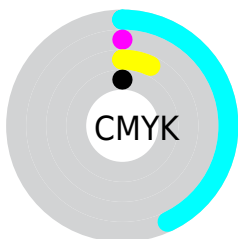
Distribution



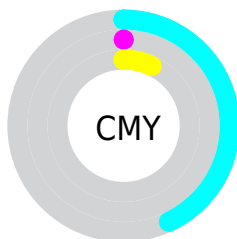
- Red (57%)
- Green (100%)
- Blue (93%)



- Red (57%)
- Yellow (80%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9001, 83.7454, 92.9701 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 62.9001, 83.7454, 92.9701 by changing the saturation by 10% instead.


 62.9001, 83.7454,
92.9701


 62.9001, 83.7454,
92.9701


424.8723,
507.4674, 558.4633

 46.0187, 62.8053,
69.8591


 108.1080,
138.6190, 153.4286

 32.4653, 45.6837,
50.9356


 137.1652,
173.3212, 191.6131

 21.8744, 31.9963,
35.7810


171.0118,
213.3796, 235.6593

 13.8807, 21.3587,
23.9767

210.0131,
259.1785, 285.9856

 8.1189, 13.3864,
15.1043

254.5344,
311.1023, 343.0107

 4.2236, 7.6952,
8.7452

304.9412,

 1.8294, 3.9005,

369.5355, 407.1529

4.4808

361.5987,
434.8624, 478.8310

■ 0.5353, 1.6181,
1.8927

■ 0.0000, 0.3697,
0.4881

■ 62.9001, 83.7454,
92.9701

■ 62.9001, 83.7454,
92.9701

■ 58.2540, 81.4205,
89.5799

■ 68.5735, 86.5982,
96.4866

■ 54.5641, 79.5868,
86.3080

■ 75.3331, 90.0093,
100.1285

■ 51.7549, 78.2056,
83.1517

■ 83.2367, 94.0085,
103.9003

■ 49.7382, 77.2313,
80.1063

■ 92.3373, 98.6230,
107.8051

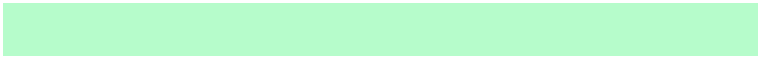
■ 48.4070, 76.6087, 95.0500, 100.0000,
77.1664 108.9000

■ 47.7566, 76.3187,
75.0935

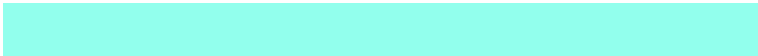
Harmonies

Analogous

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



64.7165, 83.7454, 69.0019



62.9001, 83.7454, 92.9701



65.2576, 83.7454, 121.3546

Triad

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



62.9001, 83.7454, 92.9701



89.5326, 83.7454, 142.3927



88.3772, 83.7454, 52.7707

Complementary

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



62.9001, 83.7454, 92.9701



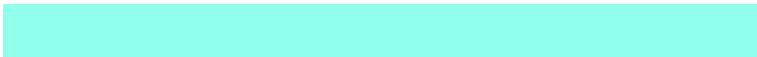
58.2205, 44.4994, 40.6436

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.



95.8977, 83.7454, 66.4815



62.9001, 83.7454, 92.9701



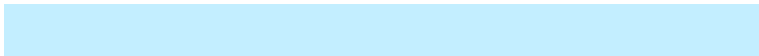
96.6008, 83.7454, 117.6746

Square

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



62.9001, 83.7454, 92.9701



80.2186, 83.7454, 153.1553



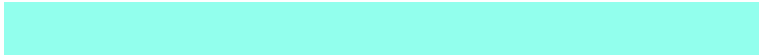
99.0156, 83.7454, 89.4219



78.9796, 83.7454, 48.6938

Rectangle

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



62.9001, 83.7454, 92.9701



68.9957, 83.7454, 138.2166



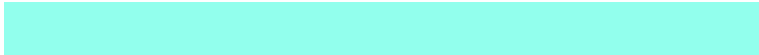
99.0156, 83.7454, 89.4219



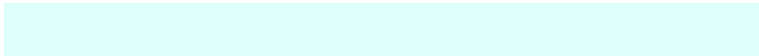
91.2333, 83.7454, 56.2526

Sweetspot

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



62.9011, 83.7459, 92.9716



83.0194, 93.8983, 103.8020



56.2935, 81.5060, 39.9610



17.3760, 19.8988, 22.0374



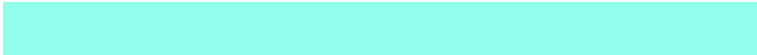
0.0000, 0.0000, 0.0000



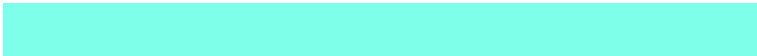
20.3446, 21.4041, 23.3091

Same Dimension

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



62.9011, 83.7459, 92.9716



58.9933, 81.7895, 90.1626



55.1497, 63.8213, 104.0198



18.4184, 20.4269, 22.5065



25.0017, 39.8973, 39.4896



2.4671, 3.8978, 4.0175

Inverse Universe

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



58.2205, 44.4994, 40.6436



53.7887, 38.0031, 31.8680



63.2254, 56.9291, 34.8518



18.1317, 18.0360, 19.3107



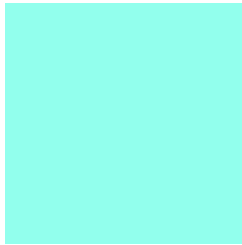
21.8038, 11.2108, 2.3515



2.1558, 1.1047, 0.4020

Previews

White Background



This preview shows how the XYZ color 62.9001, 83.7454, 92.9701 looks on a white background.

Color Contrast Check

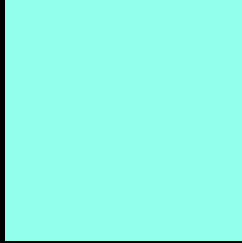
Large Text (above 18pt) WCAG AA × Fail

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 62.9001, 83.7454, 92.9701 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

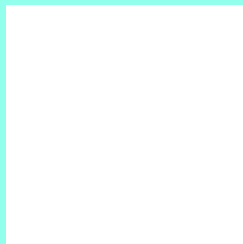
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.9001, 83.7454, 92.9701

Background



This preview shows how black text looks on a background with the XYZ color 62.9001, 83.7454, 92.9701.

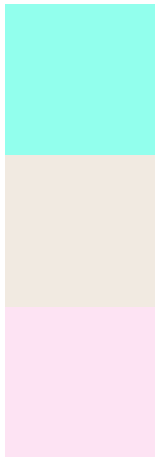


This preview shows how white text looks on a background with the XYZ color 62.9001, 83.7454,

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

62.9001, 83.7454, 92.9701

Protanopia

79.2891, 82.9827, 83.0724

Deuteranopia

84.1548, 82.2919, 96.2425



Tritanopia

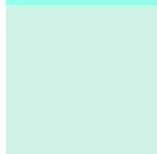
72.8655, 83.0569, 106.7989

Trichromacy



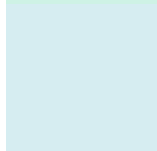
Original Color

62.9001, 83.7454, 92.9701



Protanomaly

71.3486, 82.2832, 86.2505



Deuteranomaly

73.8929, 81.2154, 95.0007



Tritanomaly

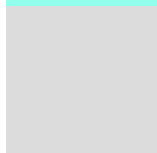
68.5641, 82.7638, 101.1682

Monochromacy



Original Color

62.9001, 83.7454, 92.9701



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.8587, 75.1063, 83.0300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9001, 83.7454, 92.9701 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(146, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 237) }
```

Border

The CSS property to change the border of an element to XYZ 62.9001, 83.7454, 92.9701 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(146, 255, 237) }
```


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

```
.border{ border-color:rgb(146, 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(146, 255, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9001, 83.7454, 92.9701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 237) }
```

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

```
.background{ background-color: rgb(146,  
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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