

Converting Colors

XYZ(72.5151, 100.0000,
105.3831)

Have a look what the booklet for
XYZ(72.5151, 100.0000, 105.3831)
contains.

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Color

**XYZ(64.7129, 84.4705,
102.5162)**

Conversions

Conversions Part 1

Format	Color
Hex	92FFF9
RGB	146, 255, 249
RGB Percent	57%, 100%, 98%
CMY	0.4274, 0.0000, 0.0235
CMYK	0.43, 0.00, 0.02, 0.00
HSL	177°, 100%, 79%
HSV	177°, 43%, 100%
XYZ	64.7129, 84.4705, 102.5162
YIQ	221.7250, -63.0380, -24.9740

Conversions

Conversions Part 2

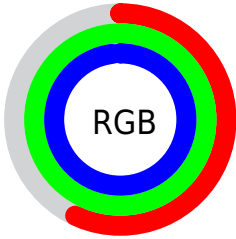
Format	Color
R_{YB}	146, 202, 255
Decimal	9633785
CIE Lab	93.65, -32.78, -6.96
CIE LCh	94, 33.514, 191.993
Yxy	84.4705, 0.2571, 0.3356
Android (android.graphics.Color)	4287823865 (0xFF92FFF9)
YUV	221.7250, 13.4466, -66.4108
Hunter-Lab	91.9078, -35.1557, -1.7980

Details

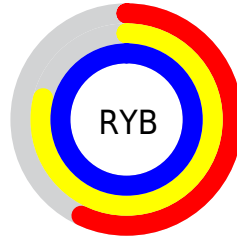
The XYZ color **64.7129, 84.4705, 102.5162** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.1873, 44.0862, 35.2023**, and the grayscale version is **69.1775, 72.7801, 79.2575**.

A 20% lighter version of the original color is **78.9868, 91.7191, 108.1483**, and **33.7502, 46.2647, 57.6032** is the 20% darker color. If you saturate the color by 10%, you get **60.4569, 82.3016, 101.1800**, and if you desaturate by 10%, it is **69.9836, 87.1623, 103.9113**.

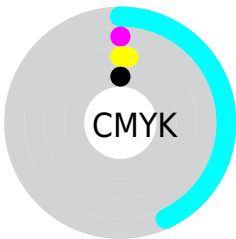
Distribution



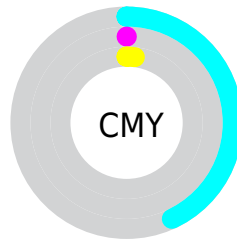
- Red (57%)
- Green (100%)
- Blue (98%)



- Red (57%)
- Yellow (79%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7129, 84.4705, 102.5162 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 64.7129, 84.4705, 102.5162 by changing the saturation by 10% instead.


 64.7129, 84.4705,
102.5162


 64.7129, 84.4705,
102.5162


431.3211,
509.8743, 589.5455

 47.4922, 63.4040,
77.7750


 110.7050,
139.6331, 166.6927

 33.6345, 46.1681,
57.3738


 140.2071,
174.4980, 206.9651

 22.7745, 32.3785,
40.8941


174.5336,
214.7312, 253.2516

 14.5469, 21.6508,
27.9173

214.0500,
260.7170, 305.9709

 8.5862, 13.6005,
18.0248

259.1216,
312.8398, 365.5413

 4.5272, 7.8433,
10.7982

310.1137,

 2.0045, 3.9949,

371.4840, 432.3816

5.8188

367.3918,
437.0341, 506.9101

■ 0.6365, 1.6707,
2.6682

■ 0.0000, 0.4046,
0.9274

■ 64.7129, 84.4705,
102.5162

■ 64.7129, 84.4705,
102.5162

■ 60.4569, 82.3016,
101.1800

■ 69.9836, 87.1623,
103.9113

■ 57.1443, 80.6189,
99.8950

■ 76.3274, 90.4070,
105.3637

■ 54.6998, 79.3836,
98.6592

■ 83.8023, 94.2347,
106.8777

■ 53.0353, 78.5501,
97.4683

■ 92.4610, 98.6725,
108.4556

■ 52.0438, 78.0634,
96.3174

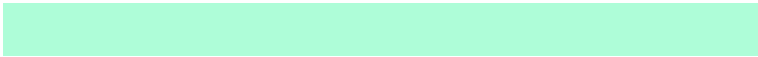
95.0500, 100.0000,
108.9000

■ 51.6322, 77.8689,
95.5020

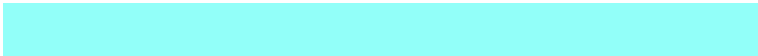
Harmonies

Analogous

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



65.1154, 84.4705, 77.6672



64.7129, 84.4705, 102.5162



68.2507, 84.4705, 128.7319

Triad

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



64.7129, 84.4705, 102.5162



92.2634, 84.4705, 133.3260



85.6828, 84.4705, 52.8595

Complementary

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



64.7129, 84.4705, 102.5162



57.1873, 44.0862, 35.2023

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.



93.6605, 84.4705, 62.9780



64.7129, 84.4705, 102.5162



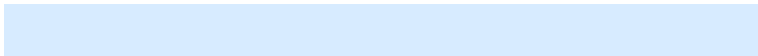
97.6484, 84.4705, 107.9380

Square

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



64.7129, 84.4705, 102.5162



83.8879, 84.4705, 148.5932



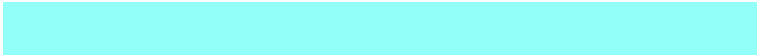
98.1778, 84.4705, 82.1805



76.7900, 84.4705, 51.9467

Rectangle

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



64.7129, 84.4705, 102.5162



72.5310, 84.4705, 142.2683



98.1778, 84.4705, 82.1805



88.5764, 84.4705, 55.1966

Sweetspot

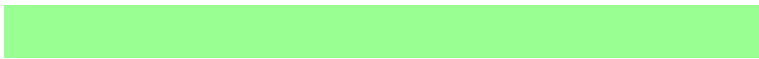
The Sweet Spot groups the original color and five complimentary colors.



64.7140, 84.4711, 102.5177



83.5959, 94.1290, 106.8380



54.1367, 80.3941, 39.8603



17.5198, 19.9563, 22.7951



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.



64.7140, 84.4711, 102.5177



61.1291, 82.6438, 101.4093



52.4043, 58.3304, 103.1046



18.5091, 20.4632, 22.9841



26.9977, 40.6957, 50.0004



2.6413, 3.9675, 4.9351

Inverse Universe

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



57.1873, 44.0862, 35.2023



52.7395, 37.5834, 26.3428



65.5508, 61.5798, 35.6271



18.0499, 18.0033, 18.8799



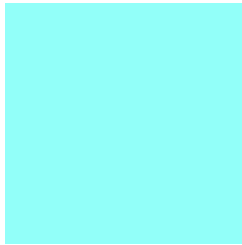
21.6065, 11.1319, 1.3123



2.1174, 1.0893, 0.1994

Previews

White Background



This preview shows how the XYZ color 64.7129, 84.4705, 102.5162 looks on a white background.

Color Contrast Check

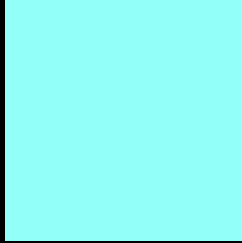
Large Text (above 18pt) WCAG AA × Fail

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 64.7129, 84.4705, 102.5162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

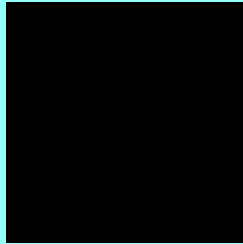
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7129, 84.4705, 102.5162

Background



This preview shows how black text looks on a background with the XYZ color 64.7129, 84.4705, 102.5162.

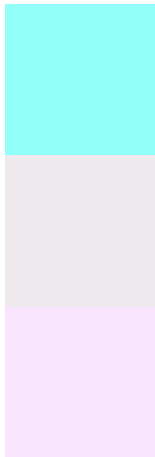


This preview shows how white text looks on a background with the XYZ color 64.7129, 84.4705,

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

64.7129, 84.4705, 102.5162

Protanopia

80.3055, 83.3108, 91.9688

Deuteranopia

85.4937, 83.5826, 106.2348



Tritanopia

73.6894, 83.9271, 106.9235

Trichromacy



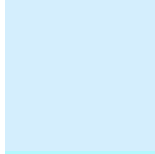
Original Color

64.7129, 84.4705, 102.5162



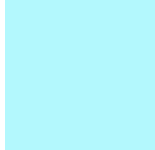
Protanomaly

72.8062, 82.8343, 95.3704



Deuteranomaly

75.4555, 82.2380, 104.8251



Tritanomaly

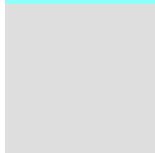
69.8874, 83.8104, 105.4221

Monochromacy



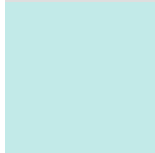
Original Color

64.7129, 84.4705, 102.5162



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.2364, 76.1412, 87.5496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7129, 84.4705, 102.5162 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(146, 255, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 64.7129, 84.4705, 102.5162 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, 249) }
```


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

```
.border{ border-color:rgb(146, 255, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7129, 84.4705, 102.5162 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, 249) }
```

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

```
.background{ background-color: rgb(146,  
255, 249) }
```

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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