

Converting Colors

XYZ(72.4050, 100.0000,
93.6222)

Have a look what the booklet for
XYZ(72.4050, 100.0000, 93.6222)
contains.

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Color

**XYZ(64.7118, 84.7296,
90.7857)**

Conversions

Conversions Part 1

Format	Color
Hex	9EFFEA
RGB	158, 255, 234
RGB Percent	62%, 100%, 92%
CMY	0.3804, 0.0000, 0.0823
CMYK	0.38, 0.00, 0.08, 0.00
HSL	167°, 100%, 81%
HSV	167°, 38%, 100%
XYZ	64.7118, 84.7296, 90.7857
YIQ	223.6030, -51.0710, -27.0950

Conversions

Conversions Part 2

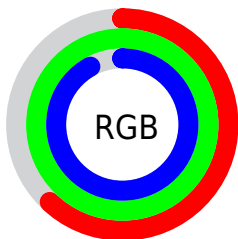
Format	Color
RYB	158, 212, 255
Decimal	10420202
CIELab	93.77, -33.27, 1.01
CIELCh	94, 33.283, 178.260
Yxy	84.7296, 0.2694, 0.3527
Android (android.graphics.Color)	4288610282 (0xFF9EFFEA)
YUV	223.6030, 5.1257, -57.5338
Hunter-Lab	92.0487, -35.5966, 5.9576

Details

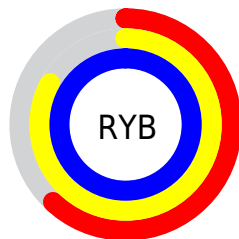
The XYZ color **64.7118, 84.7296, 90.7857** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **61.6042, 48.9695, 48.8537**, and the grayscale version is **70.5590, 74.2335, 80.8403**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **33.5968, 46.3692, 49.2989** is the 20% darker color. If you saturate the color by 10%, you get **59.4252, 82.0944, 86.4636**, and if you desaturate by 10%, it is **71.0656, 87.9120, 95.2896**.

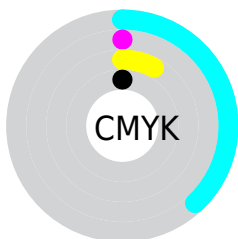
Distribution



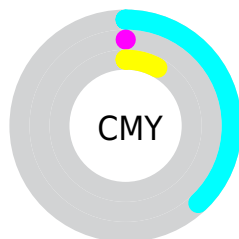
- Red (62%)
- Green (100%)
- Blue (92%)



- Red (62%)
- Yellow (83%)
- Blue (100%)



- Cyan (38%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)





- Cyan (38%)
- Magenta (0%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7118, 84.7296, 90.7857 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 64.7118, 84.7296, 90.7857 by changing the saturation by 10% instead.


 64.7118, 84.7296,
90.7857


 64.7118, 84.7296,
90.7857


431.3172,
510.7329, 551.2193

 47.4913, 63.6180,
68.0551


 110.7034,
139.9953, 150.3743

 33.6338, 46.3413,
49.4756


 140.2052,
174.9182, 188.0694

 22.7739, 32.5153,
34.6286


174.5315,
215.2137, 231.5898

 14.5464, 21.7554,
23.0957

214.0476,
261.2660, 281.3540

 8.5859, 13.6773,
14.4582

259.1188,
313.4598, 337.7804

 4.5270, 7.8965,
8.2977

310.1106,

 2.0044, 4.0288,

372.1792, 401.2878

4.1955

367.3883,
437.8088, 472.2946

■ 0.6364, 1.6897,
1.7332

■ 0.0000, 0.4170,
0.3833

■ 64.7118, 84.7296,
90.7857

■ 64.7118, 84.7296,
90.7857

■ 59.4252, 82.0944,
86.4636

■ 71.0656, 87.9120,
95.2896

■ 55.1379, 79.9716,
82.3147

■ 78.5433, 91.6709,
99.9748

■ 51.7785, 78.3244,
78.3359

■ 87.2009, 96.0352,
104.8465

■ 49.2647, 77.1103,
74.5222

95.0500, 100.0000,
108.9000

■ 47.4995, 76.2794,
70.8678

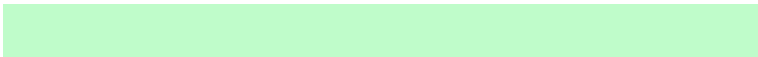
■ 46.3511, 75.7637,
67.3653

■ 46.1616, 75.6806,
66.6941

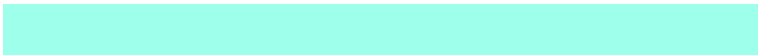
Harmonies

Analogous

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



66.9268, 84.7296, 68.9462



64.7118, 84.7296, 90.7857



66.4715, 84.7296, 117.2736

Triad

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



64.7118, 84.7296, 90.7857



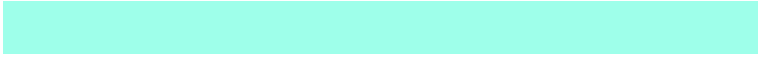
88.8507, 84.7296, 142.1125



89.8087, 84.7296, 56.7444

Complementary

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



64.7118, 84.7296, 90.7857



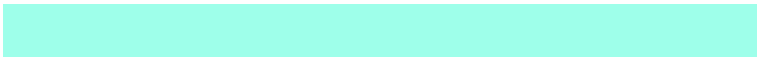
61.6042, 48.9695, 48.8537

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.



96.4494, 84.7296, 71.0764



64.7118, 84.7296, 90.7857



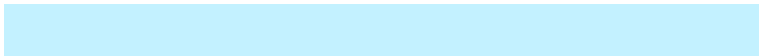
95.8685, 84.7296, 120.3040

Square

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



64.7118, 84.7296, 90.7857



80.0179, 84.7296, 149.9605



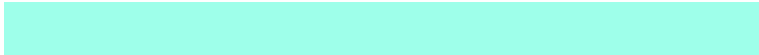
98.7430, 84.7296, 93.7424



81.0502, 84.7296, 51.6559

Rectangle

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



64.7118, 84.7296, 90.7857



69.7397, 84.7296, 133.5493



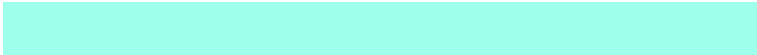
98.7430, 84.7296, 93.7424



92.3860, 84.7296, 60.4948

Sweetspot

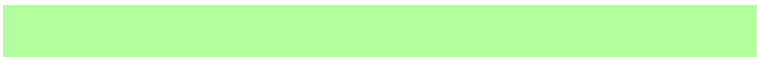
The Sweet Spot groups the original color and five complimentary colors.



64.7127, 84.7300, 90.7872



84.5104, 94.6778, 103.3839



60.5267, 83.5747, 45.2906



17.8327, 20.1359, 21.9863



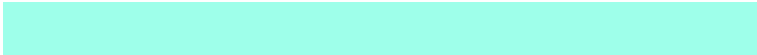
0.0000, 0.0000, 0.0000



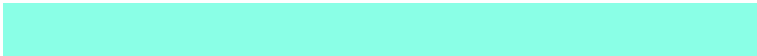
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7127, 84.7300, 90.7872



60.4194, 82.5888, 87.3304



59.7620, 69.7112, 104.9135



18.3766, 20.4102, 22.2860



24.1781, 39.5678, 35.1530



2.3940, 3.8685, 3.6324

Inverse Universe

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



61.6042, 48.9695, 48.8537



56.9047, 41.9987, 39.8016



64.8626, 58.6302, 40.2473



18.1703, 18.0514, 19.5139



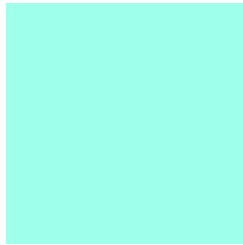
21.9561, 11.2717, 3.1533



2.1760, 1.1128, 0.5085

Previews

White Background



This preview shows how the XYZ color 64.7118, 84.7296, 90.7857 looks on a white background.

Color Contrast Check

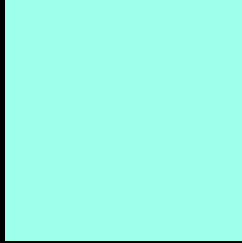
Large Text (above 18pt) WCAG AA × Fail

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 64.7118, 84.7296, 90.7857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

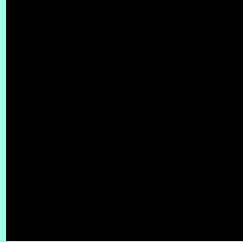
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

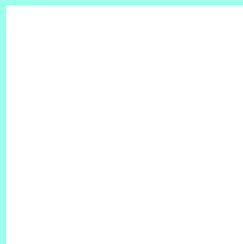
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7118, 84.7296, 90.7857

Background



This preview shows how black text looks on a background with the XYZ color 64.7118, 84.7296, 90.7857.

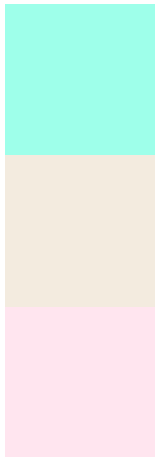


This preview shows how white text looks on a background with the XYZ color 64.7118, 84.7296,

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

64.7118, 84.7296, 90.7857

Protanopia

79.9898, 83.7991, 81.7710

Deuteranopia

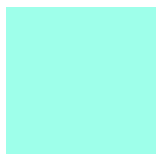
84.8393, 83.5306, 93.3129



Tritanopia

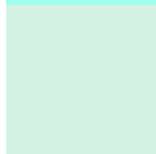
74.7578, 84.4779, 106.9735

Trichromacy



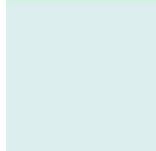
Original Color

64.7118, 84.7296, 90.7857



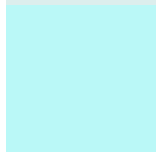
Protanomaly

72.7686, 83.0474, 84.8675



Deuteranomaly

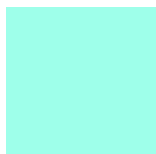
75.3758, 82.4791, 92.0681



Tritanomaly

70.6056, 84.2893, 100.5438

Monochromacy



Original Color

64.7118, 84.7296, 90.7857



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.5313, 77.2975, 84.7594

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7118, 84.7296, 90.7857 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(158, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(158, 255, 234)  
}
```

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(158, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 255, 234) }
```

Border

The CSS property to change the border of an element to XYZ 64.7118, 84.7296, 90.7857 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(158, 255, 234) }
```


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

```
.border{ border-color:rgb(158, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(158, 255,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7118, 84.7296, 90.7857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 255, 234) }
```

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

```
.background{ background-color: rgb(158,  
255, 234) }
```

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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