

Converting Colors

XYZ(74.4438, 85.9229,
149.3656)

Have a look what the booklet for
XYZ(74.4438, 85.9229, 149.3656)
contains.

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Color

**XYZ(66.5337, 82.9621,
107.1143)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFAFF
RGB	159, 250, 255
RGB Percent	62%, 98%, 100%
CMY	0.3765, 0.0196, 0.0000
CMYK	0.38, 0.02, 0.00, 0.00
HSL	183°, 100%, 81%
HSV	183°, 38%, 100%
XYZ	66.5337, 82.9621, 107.1143
YIQ	223.3610, -55.8410, -17.7370

Conversions

Conversions Part 2

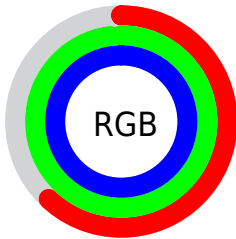
Format	Color
RYB	159, 206, 255
Decimal	10484479
CIELab	93.00, -25.86, -10.98
CIElCh	93, 28.100, 203.009
Yxy	82.9621, 0.2593, 0.3233
Android (android.graphics.Color)	4288674559 (0xFF9FFAFF)
YUV	223.3610, 15.5980, -56.4446
Hunter-Lab	91.0835, -29.0075, -5.9666

Details

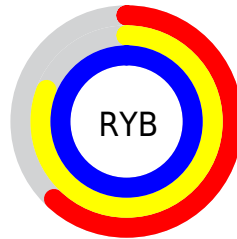
The XYZ color **66.5337, 82.9621, 107.1143** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.7739, 50.3144, 39.3115**, and the grayscale version is **70.3188, 73.9809, 80.5652**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **34.7425, 45.0419, 60.2889** is the 20% darker color. If you saturate the color by 10%, you get **61.5787, 79.7997, 106.7651**, and if you desaturate by 10%, it is **72.5390, 86.6743, 107.5143**.

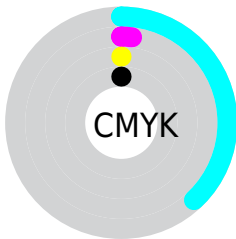
Distribution



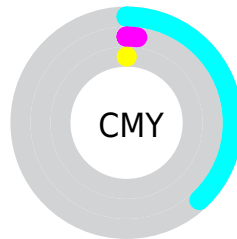
- Red (62%)
- Green (98%)
- Blue (100%)



- Red (62%)
- Yellow (81%)
- Blue (100%)



- Cyan (38%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.5337, 82.9621, 107.1143 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 66.5337, 82.9621, 107.1143 by changing the saturation by 10% instead.

66.5337, 82.9621,
107.1143

66.5337, 82.9621,
107.1143

437.7418,
504.8602, 604.2093

48.9751, 62.1589,
81.6052

113.3055,
137.5224, 173.0369

34.8142, 45.1611,
60.5063

143.2494,
172.0482, 214.2874

23.6856, 31.5843,
43.3989

178.0524,
211.9171, 261.6223

15.2240, 21.0442,
29.8645

218.0799,
257.5133, 315.4599

9.0641, 13.1563,
19.4846

263.6972,
309.2214, 376.2189

4.8405, 7.5363,
11.8406

315.2697,

2.1878, 3.7997,

367.4256, 444.3178

6.5140

373.1628,
432.5104, 520.1750

■ 0.7363, 1.5622,
3.0863

■ 0.0000, 0.3319,
1.1389

■ 66.5337, 82.9621,
107.1143

■ 66.5337, 82.9621,
107.1143

■ 61.5787, 79.7997,
106.7651

■ 72.5390, 86.6743,
107.5143

■ 57.6028, 77.1443,
106.4621

■ 79.6472, 90.9574,
107.9664

■ 54.5365, 74.9621,
106.2025

■ 87.9150, 95.8425,
108.4736

■ 52.2981, 73.2110,
105.9825

95.0500, 100.0000,
108.9000

■ 50.7915, 71.8415,
105.7975

■ 49.8898, 70.7880,
105.6417

■ 49.7217, 70.5633,
105.6072

Harmonies

Analogous

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



65.6266, 82.9621, 85.4892



66.5337, 82.9621, 107.1143



70.6426, 82.9621, 126.7164

Triad

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



66.5337, 82.9621, 107.1143



90.7026, 82.9621, 116.9717



80.5876, 82.9621, 55.7858

Complementary

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



66.5337, 82.9621, 107.1143



60.7739, 50.3144, 39.3115

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.



87.6761, 82.9621, 61.6778



66.5337, 82.9621, 107.1143



93.7468, 82.9621, 95.3536

Square

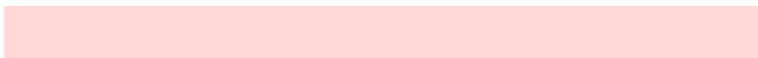
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.5337, 82.9621, 107.1143



84.5138, 82.9621, 132.9975



92.6062, 82.9621, 75.4004



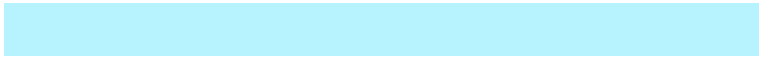
73.4508, 82.9621, 57.9322

Rectangle

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



66.5337, 82.9621, 107.1143



74.7904, 82.9621, 134.8897



92.6062, 82.9621, 75.4004



83.0601, 82.9621, 56.8568

Sweetspot

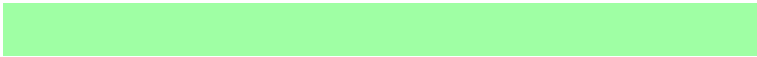
The Sweet Spot groups the original color and five complimentary colors.



66.5359, 82.9653, 107.1148



85.0089, 94.1349, 108.2972



56.7421, 81.5647, 47.7823



17.9522, 20.0053, 23.1652



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

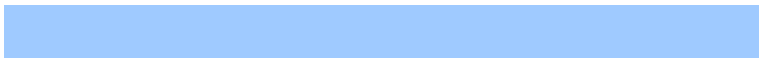
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.5359, 82.9653, 107.1148



62.7918, 80.5860, 106.8529



53.5170, 56.9275, 102.7752



18.4691, 20.3098, 23.1967



26.0159, 36.9413, 55.1938



2.5569, 3.6445, 5.3820

Inverse Universe

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



70.8949, 52.9602, 96.9318



67.7580, 46.9306, 95.1329



70.9924, 70.7514, 42.7176



18.7494, 18.2831, 22.5636



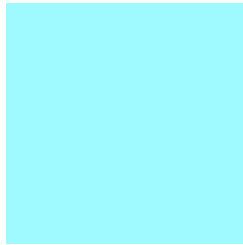
29.9198, 14.4572, 45.0896



2.9252, 1.4125, 4.4536

Previews

White Background



This preview shows how the XYZ color 66.5337, 82.9621, 107.1143 looks on a white background.

Color Contrast Check

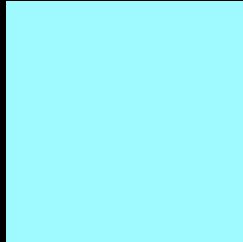
Large Text (above 18pt) WCAG AA × Fail

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 66.5337, 82.9621, 107.1143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

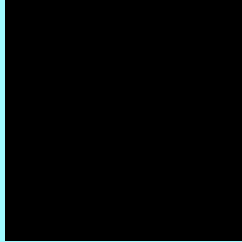
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.5337, 82.9621, 107.1143

Background



This preview shows how black text looks on a background with the XYZ color 66.5337, 82.9621, 107.1143.

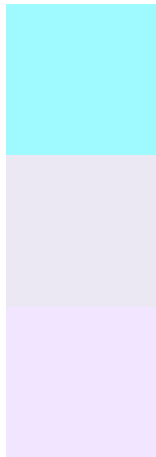


This preview shows how white text looks on a background with the XYZ color 66.5337, 82.9621,

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

66.5337, 82.9621, 107.1143

Protanopia

79.4467, 81.9070, 97.2103

Deuteranopia

82.6873, 82.1359, 106.1035



Tritanopia

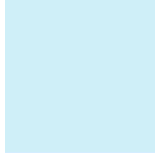
72.3078, 82.3264, 106.6873

Trichromacy



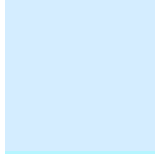
Original Color

66.5337, 82.9621, 107.1143



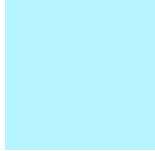
Protanomaly

73.5419, 81.7757, 100.7152



Deuteranomaly

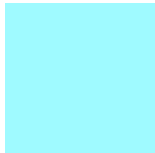
75.4856, 81.7854, 106.4154



Tritanomaly

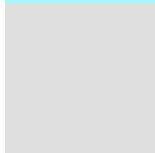
69.9938, 82.4699, 106.8370

Monochromacy



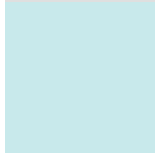
Original Color

66.5337, 82.9621, 107.1143



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.9537, 76.5553, 89.7924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.5337, 82.9621, 107.1143 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(159, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 250, 255)  
}
```

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(159, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.5337, 82.9621, 107.1143 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(159, 250, 255) }
```


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

```
.border{ border-color:rgb(159, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.5337, 82.9621, 107.1143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 250, 255) }
```

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

```
.background{ background-color: rgb(159,  
250, 255) }
```

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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