

Converting Colors

XYZ(69.6138, 83.4183,
120.2386)

Have a look what the booklet for
XYZ(69.6138, 83.4183, 120.2386)
contains.

XYZ(67.1345, 82.3541, 106.9653)	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(67.1345, 82.3541,
106.9653)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F8FF
RGB	165, 248, 255
RGB Percent	65%, 97%, 100%
CMY	0.3529, 0.0274, 0.0000
CMYK	0.35, 0.03, 0.00, 0.00
HSL	185°, 100%, 82%
HSV	185°, 35%, 100%
XYZ	67.1345, 82.3541, 106.9653
YIQ	223.9810, -51.7150, -15.4190

Conversions

Conversions Part 2

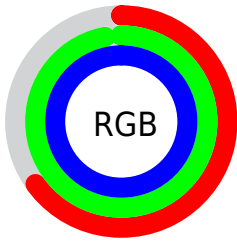
Format	Color
RYB	165, 208, 255
Decimal	10877183
CIELab	92.73, -23.38, -11.35
CIELCh	93, 25.992, 205.896
Yxy	82.3541, 0.2618, 0.3211
Android (android.graphics.Color)	4289067263 (0xFFA5F8FF)
YUV	223.9810, 15.2924, -51.7263
Hunter-Lab	90.7492, -26.7601, -6.3602

Details

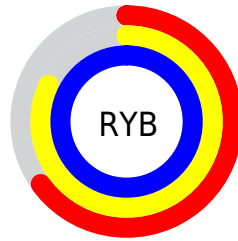
The XYZ color **67.1345, 82.3541, 106.9653** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.7845, 53.4819, 42.6133**, and the grayscale version is **70.7606, 74.4456, 81.0713**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **35.1305, 44.5900, 60.1812** is the 20% darker color. If you saturate the color by 10%, you get **61.7444, 78.6775, 106.5397**, and if you desaturate by 10%, it is **73.5928, 86.5950, 107.4435**.

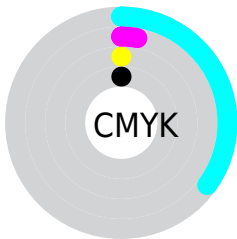
Distribution



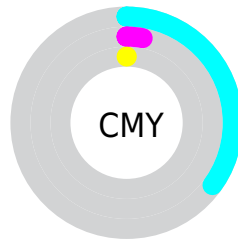
- Red (65%)
- Green (97%)
- Blue (100%)



- Red (65%)
- Yellow (82%)
- Blue (100%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1345, 82.3541, 106.9653 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 67.1345, 82.3541, 106.9653 by changing the saturation by 10% instead.

67.1345, 82.3541,
106.9653

67.1345, 82.3541,
106.9653

439.8483,
502.8314, 603.7370

49.4650, 61.6575,
81.4810

114.1618,
136.6705, 172.8317

35.2046, 44.7560,
60.4045

144.2504,
171.0590, 214.0509

23.9878, 31.2653,
43.3173

179.2095,
210.7802, 261.3520

15.4492, 20.8009,
29.8009

219.4043,
256.2186, 315.1537

9.2236, 12.9786,
19.4368

265.2002,
307.7585, 375.8746

4.9456, 7.4138,
11.8063

316.9626,

2.2498, 3.7222,

365.7843, 443.9330

6.4910

375.0569,
430.6805, 519.7477

■ 0.7688, 1.5194,
3.0723

■ 0.0000, 0.3023,
1.1317

■ 67.1345, 82.3541,
106.9653

■ 67.1345, 82.3541,
106.9653

■ 61.7444, 78.6775,
106.5397

■ 73.5928, 86.5950,
107.4435

■ 57.3527, 75.5231,
106.1623

■ 81.1708, 91.4208,
107.9756

■ 53.8917, 72.8580,
105.8304

■ 89.9243, 96.8622,
108.5645

■ 51.2825, 70.6415,
105.5400

95.0500, 100.0000,
108.9000

■ 49.4329, 68.8261,
105.2871

■ 48.2291, 67.3530,
105.0662

■ 47.8093, 66.7386,
104.9698

Harmonies

Analogous

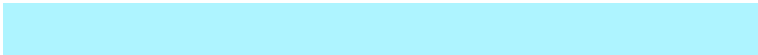
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.9907, 82.3541, 87.0271



67.1345, 82.3541, 106.9653



71.1979, 82.3541, 124.2337

Triad

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



67.1345, 82.3541, 106.9653



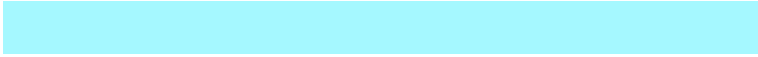
89.5613, 82.3541, 112.2495



79.2107, 82.3541, 57.3756

Complementary

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



67.1345, 82.3541, 106.9653



62.7845, 53.4819, 42.6133

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.



85.8064, 82.3541, 62.1964



67.1345, 82.3541, 106.9653



91.9966, 82.3541, 92.3651

Square

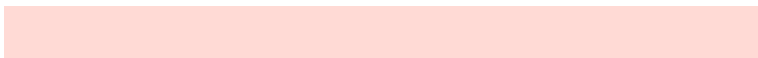
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.1345, 82.3541, 106.9653



84.1018, 82.3541, 127.5802



90.5847, 82.3541, 74.3467



72.7240, 82.3541, 60.1285

Rectangle

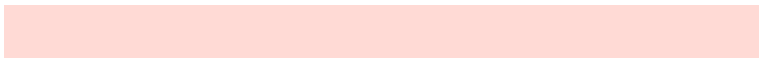
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.1345, 82.3541, 106.9653



75.1444, 82.3541, 130.9246



90.5847, 82.3541, 74.3467



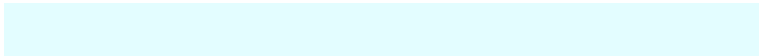
81.4916, 82.3541, 58.1428

Sweetspot

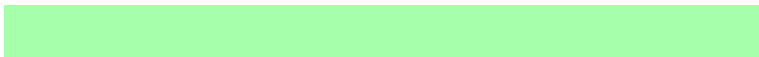
The Sweet Spot groups the original color and five complimentary colors.



67.1367, 82.3572, 106.9658



84.7811, 93.6794, 108.2212



58.6290, 82.4602, 51.3565



17.8975, 19.8959, 23.1469



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.



67.1367, 82.3572, 106.9658



63.4060, 79.8293, 106.6745



55.1614, 58.4067, 102.9740



18.4269, 20.2255, 23.1827



25.0321, 34.9738, 54.8659



2.4717, 3.4742, 5.3536

Inverse Universe

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



71.6399, 54.9494, 95.6409



68.5526, 49.1038, 93.5976



72.5883, 73.0895, 45.8813



18.7281, 18.2746, 22.4515



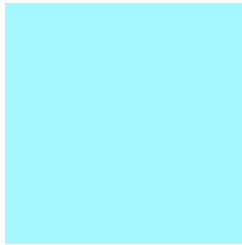
29.4233, 14.2586, 42.4749



2.8822, 1.3953, 4.2272

Previews

White Background



This preview shows how the XYZ color 67.1345, 82.3541, 106.9653 looks on a white background.

Color Contrast Check

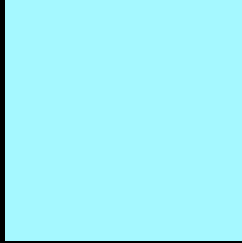
Large Text (above 18pt) WCAG AA × Fail

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 67.1345, 82.3541, 106.9653 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 67.1345, 82.3541, 106.9653

Background



This preview shows how black text looks on a background with the XYZ color 67.1345, 82.3541, 106.9653.

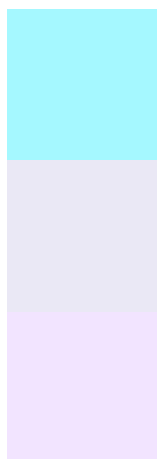


This preview shows how white text looks on a background with the XYZ color 67.1345, 82.3541,

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

67.1345, 82.3541, 106.9653

Protanopia

79.2697, 81.7982, 97.9969

Deuteranopia

82.4114, 81.5841, 106.0115



Tritanopia

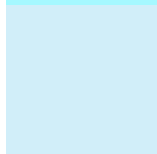
72.0503, 82.1936, 106.6752

Trichromacy



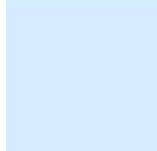
Original Color

67.1345, 82.3541, 106.9653



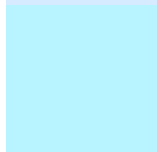
Protanomaly

73.9679, 81.5439, 101.4636



Deuteranomaly

75.4899, 80.9328, 106.2506



Tritanomaly

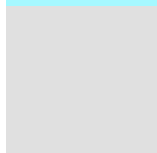
69.9291, 81.9886, 106.7475

Monochromacy



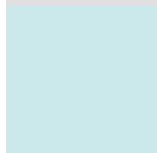
Original Color

67.1345, 82.3541, 106.9653



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.7629, 76.9725, 89.8302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1345, 82.3541, 106.9653 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(165, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 248, 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(165, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 248, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.1345, 82.3541, 106.9653 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(165, 248, 255) }
```


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

```
.border{ border-color:rgb(165, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 248,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1345, 82.3541, 106.9653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 248, 255) }
```

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

```
.background{ background-color: rgb(165,  
248, 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](#).

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