

Converting Colors

XYZ(70.2999, 90.8988,
111.8849)

Have a look what the booklet for
XYZ(70.2999, 90.8988, 111.8849)
contains.

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Color

**XYZ(67.1364, 85.6100,
107.5937)**

Conversions

Conversions Part 1

Format	Color
Hex	9AFFFF
RGB	154, 255, 255
RGB Percent	60%, 100%, 100%
CMY	0.3961, 0.0000, 0.0000
CMYK	0.40, 0.00, 0.00, 0.00
HSL	180°, 100%, 80%
HSV	180°, 40%, 100%
XYZ	67.1364, 85.6100, 107.5937
YIQ	224.8010, -60.1960, -21.4120

Conversions

Conversions Part 2

Format	Color
RYB	154, 205, 255
Decimal	10158079
CIELab	94.15, -29.47, -9.30
CIELCh	94, 30.907, 197.515
Yxy	85.6100, 0.2579, 0.3288
Android (android.graphics.Color)	4288348159 (0xFF9AFFFF)
YUV	224.8010, 14.8881, -62.0925
Hunter-Lab	92.5257, -32.4008, -4.1775

Details

The XYZ color **67.1364, 85.6100, 107.5937** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.6294, 46.7059, 36.4988**, and the grayscale version is **71.3527, 75.0686, 81.7497**.

A 20% lighter version of the original color is **81.2506, 92.8861, 108.2542**, and **35.2110, 46.9522, 60.6329** is the 20% darker color. If you saturate the color by 10%, you get **62.7881, 83.3684, 107.3902**, and if you desaturate by 10%, it is **72.5172, 88.3839, 107.8455**.

Distribution



- Red (60%)
- Green (100%)
- Blue (100%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (40%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.1364, 85.6100, 107.5937 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 67.1364, 85.6100, 107.5937 by changing the saturation by 10% instead.


 67.1364, 85.6100,
107.5937


 67.1364, 85.6100,
107.5937


439.8550,
513.6444, 605.7274

 49.4666, 64.3455,
82.0052


 114.1646,
141.2251, 173.6967

 35.2058, 46.9306,
60.8340


 144.2536,
176.3446, 215.0483

 23.9887, 32.9808,
43.6615

179.2131,
216.8511, 262.4914

 15.4499, 22.1117,
30.0693

219.4084,
263.1292, 316.4445

 9.2241, 13.9390,
19.6387

265.2049,
315.5631, 377.3261

 4.9459, 8.0783,
11.9512

316.9680,

 2.2500, 4.1451,

374.5374, 445.5547

6.5883

375.0628,
440.4363, 521.5490

■ 0.7689, 1.7550,
3.1315

■ 0.0000, 0.4589,
1.1622

■ 67.1364, 85.6100,
107.5937

■ 67.1364, 85.6100,
107.5937

■ 62.7881, 83.3684,
107.3902

■ 72.5172, 88.3839,
107.8455

■ 59.4040, 81.6238,
107.2318

■ 78.9880, 91.7197,
108.1483

■ 56.9114, 80.3388,
107.1151

■ 86.6052, 95.6466,
108.5048

■ 55.2264, 79.4702,
107.0363

95.0500, 100.0000,
108.9000

■ 54.2490, 78.9663,
106.9905

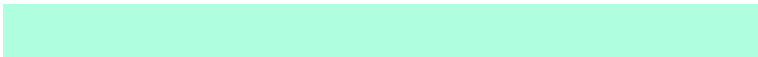
■ 53.8226, 78.7465,
106.9706

■ 53.8100, 78.7400,
106.9700

Harmonies

Analogous

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



66.8194, 85.6100, 83.7179



67.1364, 85.6100, 107.5937



71.1017, 85.6100, 130.9671

Triad

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



67.1364, 85.6100, 107.5937



93.6606, 85.6100, 127.4559



84.8538, 85.6100, 55.4659

Complementary

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



67.1364, 85.6100, 107.5937



58.6294, 46.7059, 36.4988

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.



92.5816, 85.6100, 63.5188



67.1364, 85.6100, 107.5937



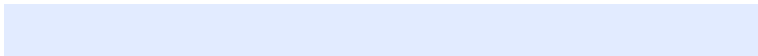
97.8925, 85.6100, 103.4039

Square

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



67.1364, 85.6100, 107.5937



86.2467, 85.6100, 143.7013



97.4847, 85.6100, 80.1776



76.6802, 85.6100, 56.2005

Rectangle

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



67.1364, 85.6100, 107.5937



75.4423, 85.6100, 141.9075



97.4847, 85.6100, 80.1776



87.5998, 85.6100, 57.1693

Sweetspot

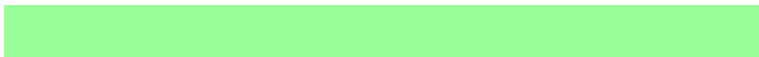
The Sweet Spot groups the original color and five complimentary colors.



67.1372, 85.6104, 107.5937



84.6746, 94.6513, 108.4144



54.9203, 80.7237, 43.2604



17.9045, 20.1462, 23.1949



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.



67.1372, 85.6104, 107.5937



63.4198, 83.6940, 107.4197



53.0897, 57.5153, 102.9112



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422

Inverse Universe

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



70.8463, 51.5926, 100.8321



67.6229, 45.1457, 99.7576



68.7855, 67.0181, 39.8841



18.7928, 18.3004, 22.7918



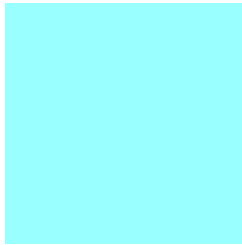
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 67.1364, 85.6100, 107.5937 looks on a white background.

Color Contrast Check

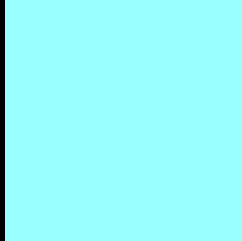
Large Text (above 18pt) WCAG AA × Fail

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 67.1364, 85.6100, 107.5937 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 67.1364, 85.6100, 107.5937

Background



This preview shows how black text looks on a background with the XYZ color 67.1364, 85.6100, 107.5937.

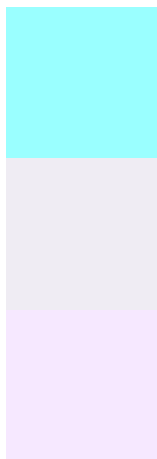


This preview shows how white text looks on a background with the XYZ color 67.1364, 85.6100,

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

67.1364, 85.6100, 107.5937

Protanopia

81.7697, 84.8127, 96.8548

Deuteranopia

84.9126, 84.5261, 106.4475



Tritanopia

75.6042, 85.3622, 107.0995

Trichromacy



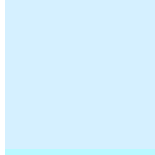
Original Color

67.1364, 85.6100, 107.5937



Protanomaly

74.8515, 84.2265, 100.3079



Deuteranomaly

76.6507, 83.6863, 106.7209



Tritanomaly

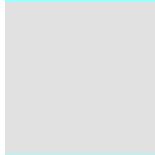
72.1754, 85.4105, 107.2896

Monochromacy



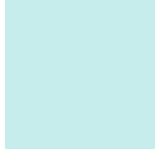
Original Color

67.1364, 85.6100, 107.5937



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.6890, 78.1891, 90.8286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1364, 85.6100, 107.5937 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(154, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(154, 255, 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(154, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.1364, 85.6100, 107.5937 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(154, 255, 255) }
```


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

```
.border{ border-color:rgb(154, 255, 255) }
```

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

Here you see how a box with a 4 pixel rgb(154, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(154, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1364, 85.6100, 107.5937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 255, 255) }
```

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

```
.background{ background-color: rgb(154,  
255, 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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