

Converting Colors

XYZ(74.2360, 100.0000,
104.6988)

Have a look what the booklet for
XYZ(74.2360, 100.0000, 104.6988)
contains.

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Color

**XYZ(67.1570, 85.7305,
102.6306)**

Conversions

Conversions Part 1

Format	Color
Hex	9FFFF9
RGB	159, 255, 249
RGB Percent	62%, 100%, 98%
CMY	0.3765, 0.0000, 0.0235
CMYK	0.38, 0.00, 0.02, 0.00
HSL	176°, 100%, 81%
HSV	176°, 38%, 100%
XYZ	67.1570, 85.7305, 102.6306
YIQ	225.6120, -55.2900, -22.2180

Conversions

Conversions Part 2

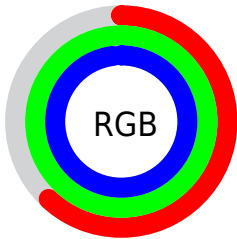
Format	Color
R_{YB}	159, 209, 255
Decimal	10485753
CIE _{Lab}	94.20, -29.65, -6.10
CIE _{LCh}	94, 30.272, 191.627
Yxy	85.7305, 0.2628, 0.3355
Android (android.graphics.Color)	4288675833 (0xFF9FFF9)
YUV	225.6120, 11.5303, -58.4187
Hunter-Lab	92.5908, -32.5660, -0.9054

Details

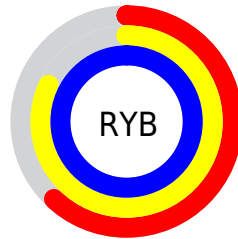
The XYZ color **67.1570, 85.7305, 102.6306** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.4306, 48.7744, 41.8278**, and the grayscale version is **71.9569, 75.7042, 82.4419**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **35.2992, 47.0632, 57.6757** is the 20% darker color. If you saturate the color by 10%, you get **62.3643, 83.2883, 101.1158**, and if you desaturate by 10%, it is **72.9970, 88.7123, 104.2083**.

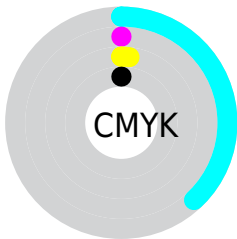
Distribution



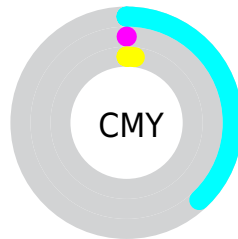
- Red (62%)
- Green (100%)
- Blue (98%)



- Red (62%)
- Yellow (82%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1570, 85.7305, 102.6306 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 67.1570, 85.7305, 102.6306 by changing the saturation by 10% instead.

67.1570, 85.7305,
102.6306

67.1570, 85.7305,
102.6306

439.9271,
514.0422, 589.9127

49.4834, 64.4451,
77.8702

114.1939,
141.3933, 166.8509

35.2192, 47.0113,
57.4515

144.2879,
176.5396, 207.1478

23.9991, 33.0446,
40.9561

179.2528,
217.0750, 253.4607

15.4577, 22.1606,
27.9653

219.4538,
263.3839, 306.2080

9.2296, 13.9750,
18.0607

265.2564,
315.8506, 365.8083

4.9496, 8.1033,
10.8237

317.0259,

2.2522, 4.1611,

374.8597, 432.6801

5.8357

375.1277,
440.7954, 507.2421

■ 0.7700, 1.7641,
2.6783

■ 0.0000, 0.4646,
0.9325

■ 67.1570, 85.7305,
102.6306

■ 67.1570, 85.7305,
102.6306

■ 62.3643, 83.2883,
101.1158

■ 72.9970, 88.7123,
104.2083

■ 58.5510, 81.3509,
99.6563

■ 79.9401, 92.2625,
105.8473

■ 55.6465, 79.8817,
98.2504

■ 88.0421, 96.4099,
107.5515

■ 53.5692, 78.8386,
96.8940

■ 95.0500, 100.0000,
108.9000

■ 52.2228, 78.1722,
95.5828

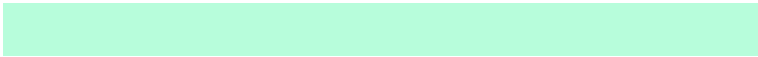
■ 51.4805, 77.8169,
94.3107

■ 51.3498, 77.7559,
94.0148

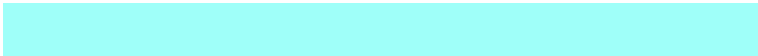
Harmonies

Analogous

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



67.5749, 85.7305, 79.9766



67.1570, 85.7305, 102.6306



70.3847, 85.7305, 126.2336

Triad

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



67.1570, 85.7305, 102.6306



92.2780, 85.7305, 130.8279



86.4943, 85.7305, 57.0813

Complementary

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



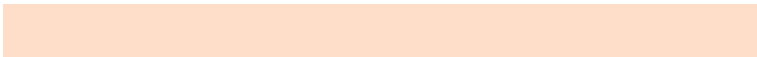
67.1570, 85.7305, 102.6306



60.4306, 48.7744, 41.8278

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.



93.6935, 85.7305, 66.7326



67.1570, 85.7305, 102.6306



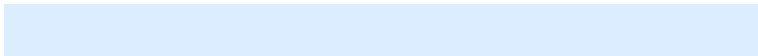
97.1822, 85.7305, 108.1279

Square

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



67.1570, 85.7305, 102.6306



84.6648, 85.7305, 144.2250



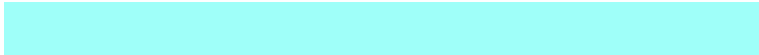
97.7168, 85.7305, 84.6388



78.3844, 85.7305, 56.1080

Rectangle

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



67.1570, 85.7305, 102.6306



74.3026, 85.7305, 138.3665



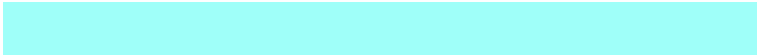
97.7168, 85.7305, 84.6388



89.1143, 85.7305, 59.3332

Sweetspot

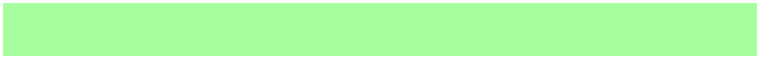
The Sweet Spot groups the original color and five complimentary colors.



67.1581, 85.7310, 102.6321



85.1918, 94.9504, 106.9724



57.6196, 82.0661, 45.6063



17.9962, 20.2012, 22.8468



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

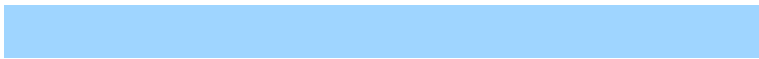
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.1581, 85.7310, 102.6321



63.5343, 83.8839, 101.5113



56.2444, 62.3823, 103.6843



18.5030, 20.4607, 22.9515



26.8524, 40.6376, 49.2356



2.6288, 3.9624, 4.8690

Inverse Universe

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



60.4306, 48.7744, 41.8278



55.9542, 42.2091, 32.9750



68.2924, 65.3515, 41.8175



18.0554, 18.0055, 18.9089



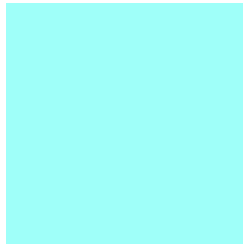
21.6148, 11.1352, 1.3563



2.1200, 1.0904, 0.2131

Previews

White Background



This preview shows how the XYZ color 67.1570, 85.7305, 102.6306 looks on a white background.

Color Contrast Check

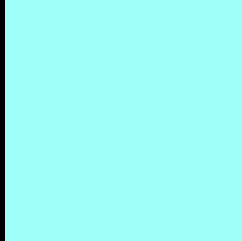
Large Text (above 18pt) WCAG AA × Fail

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 67.1570, 85.7305, 102.6306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

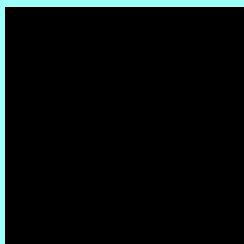
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

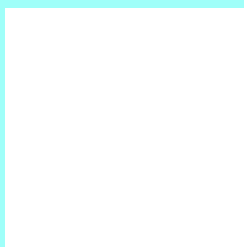
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.1570, 85.7305, 102.6306

Background



This preview shows how black text looks on a background with the XYZ color 67.1570, 85.7305, 102.6306.

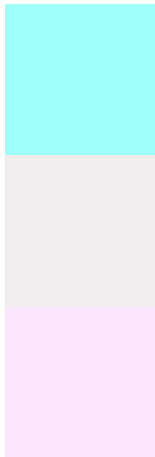


This preview shows how white text looks on a background with the XYZ color 67.1570, 85.7305,

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

67.1570, 85.7305, 102.6306

Protanopia

81.7037, 84.8647, 92.9632

Deuteranopia

86.3311, 84.4448, 105.5153



Tritanopia

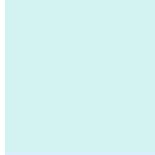
75.5775, 84.9005, 107.0118

Trichromacy



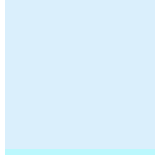
Original Color

67.1570, 85.7305, 102.6306



Protanomaly

74.9416, 84.3609, 96.3378



Deuteranomaly

77.3506, 83.6667, 104.1679



Tritanomaly

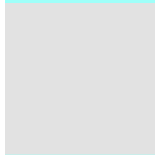
72.0361, 84.9180, 105.5226

Monochromacy



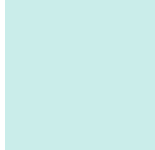
Original Color

67.1570, 85.7305, 102.6306



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.4926, 79.0654, 89.4404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.1570, 85.7305, 102.6306 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, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 255, 249) }
```

Border

The CSS property to change the border of an element to XYZ 67.1570, 85.7305, 102.6306 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, 255, 249) }
```


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

```
.border{ border-color:rgb(159, 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(159, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(159, 255,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 67.1570, 85.7305, 102.6306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 255, 249) }
```

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

```
.background{ background-color: rgb(159,  
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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