

Converting Colors

XYZ(69.5581, 85.2458,
107.3957)

Have a look what the booklet for
XYZ(69.5581, 85.2458, 107.3957)
contains.

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Color

**XYZ(69.6550, 85.4987,
107.4394)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFCFF
RGB	171, 252, 255
RGB Percent	67%, 99%, 100%
CMY	0.3294, 0.0117, 0.0000
CMYK	0.33, 0.01, 0.00, 0.00
HSL	182°, 100%, 84%
HSV	182°, 33%, 100%
XYZ	69.6550, 85.4987, 107.4394
YIQ	228.1230, -49.2390, -16.2390

Conversions

Conversions Part 2

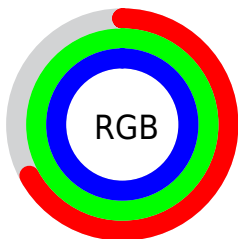
Format	Color
RYB	171, 212, 255
Decimal	11271423
CIELab	94.10, -23.77, -9.29
CIELCh	94, 25.519, 201.346
Yxy	85.4987, 0.2653, 0.3256
Android (android.graphics.Color)	4289461503 (0xFFABFCFF)
YUV	228.1230, 13.2504, -50.0969
Hunter-Lab	92.4655, -27.3492, -4.1656

Details

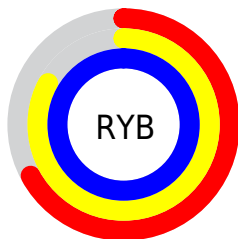
The XYZ color **69.6550, 85.4987, 107.4394** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.7270, 54.4723, 45.6855**, and the grayscale version is **73.7666, 77.6083, 84.5154**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **36.7784, 46.7523, 60.5117** is the 20% darker color. If you saturate the color by 10%, you get **64.3430, 82.3394, 107.1096**, and if you desaturate by 10%, it is **76.0444, 89.2197, 107.8209**.

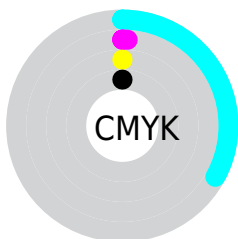
Distribution



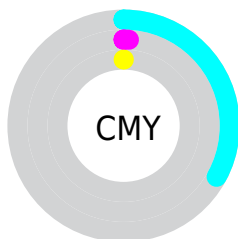
- Red (67%)
- Green (99%)
- Blue (100%)



- Red (67%)
- Yellow (83%)
- Blue (100%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6550, 85.4987, 107.4394 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 69.6550, 85.4987, 107.4394 by changing the saturation by 10% instead.

69.6550, 85.4987,
107.4394

69.6550, 85.4987,
107.4394

448.6230,
513.2768, 605.2390

51.5239, 64.2535,
81.8765

117.7456,
141.0697, 173.4844

36.8485, 46.8560,
60.7285

148.4358,
176.1644, 214.8035

25.2633, 32.9219,
43.5770

184.0431,
216.6443, 262.2117

16.4031, 22.0666,
30.0033

224.9328,
262.8939, 316.1277

9.9025, 13.9058,
19.5890

271.4703,
315.2975, 376.9698

5.3961, 8.0552,
11.9156

324.0209,

2.5186, 4.1303,

374.2396, 445.1567

6.5644

382.9501,
440.1046, 521.1069

■ 0.9047, 1.7467,
3.1169

■ 0.0000, 0.4536,
1.1546

■ 69.6550, 85.4987,
107.4394

■ 69.6550, 85.4987,
107.4394

■ 64.3430, 82.3394,
107.1096

■ 76.0444, 89.2197,
107.8209

■ 60.0396, 79.7000,
106.8270

■ 83.5612, 93.5217,
108.2551

■ 56.6791, 77.5487,
106.5888

■ 92.2605, 98.4355,
108.7450

■ 54.1848, 75.8460,
106.3916

95.0500, 100.0000,
108.9000

■ 52.4684, 74.5462,
106.2312

■ 51.4223, 73.5941,
106.1026

■ 50.9772, 73.0744,
106.0257

Harmonies

Analogous

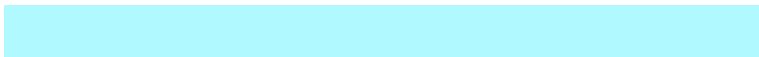
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9804, 85.4987, 87.5577



69.6550, 85.4987, 107.4394



73.3474, 85.4987, 125.5994

Triad

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



69.6550, 85.4987, 107.4394



91.9376, 85.4987, 118.5691



83.2526, 85.4987, 60.6906

Complementary

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



69.6550, 85.4987, 107.4394



63.7270, 54.4723, 45.6855

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.



89.7306, 85.4987, 66.7440



69.6550, 85.4987, 107.4394



94.9255, 85.4987, 98.8580

Square

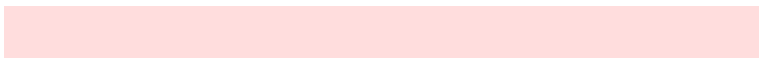
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.6550, 85.4987, 107.4394



86.1298, 85.4987, 132.6243



94.0960, 85.4987, 80.0852



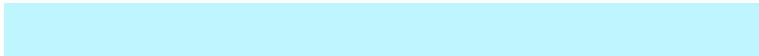
76.5849, 85.4987, 62.3200

Rectangle

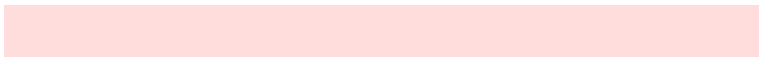
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.6550, 85.4987, 107.4394



77.1425, 85.4987, 133.3894



94.0960, 85.4987, 80.0852



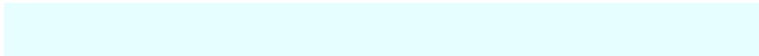
85.5297, 85.4987, 61.8596

Sweetspot

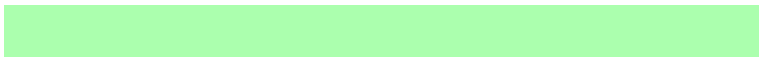
The Sweet Spot groups the original color and five complimentary colors.



69.6573, 85.5020, 107.4400



85.9935, 94.9015, 108.3932



60.1763, 83.2267, 52.8369



18.1545, 20.1702, 23.1863



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.



69.6573, 85.5020, 107.4400



65.7974, 83.2133, 107.2016



57.9420, 62.0714, 103.5349



18.4961, 20.3637, 23.2057



26.6614, 38.2323, 55.4090



2.6126, 3.7559, 5.4005

Inverse Universe

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



73.3751, 57.4159, 99.3143



70.1010, 51.0304, 97.7217



73.0962, 73.2107, 48.8085



18.7630, 18.2885, 22.6353



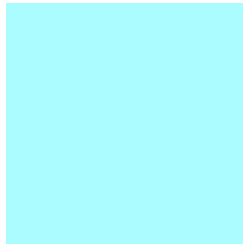
30.2456, 14.5875, 46.8054



2.9533, 1.4237, 4.6016

Previews

White Background



This preview shows how the XYZ color 69.6550, 85.4987, 107.4394 looks on a white background.

Color Contrast Check

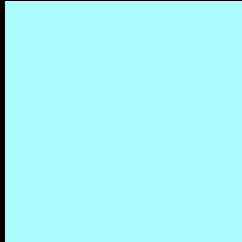
Large Text (above 18pt) WCAG AA × Fail

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 69.6550, 85.4987, 107.4394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

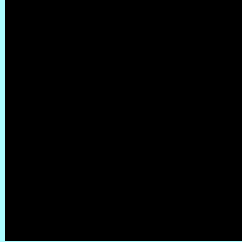
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.6550, 85.4987, 107.4394

Background



This preview shows how black text looks on a background with the XYZ color 69.6550, 85.4987, 107.4394.

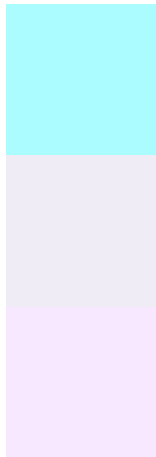


This preview shows how white text looks on a background with the XYZ color 69.6550, 85.4987,

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

69.6550, 85.4987, 107.4394

Protanopia

82.0735, 84.9342, 98.4544

Deuteranopia

85.2644, 84.7074, 106.4640



Tritanopia

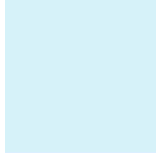
76.1328, 85.1868, 107.0378

Trichromacy



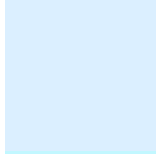
Original Color

69.6550, 85.4987, 107.4394



Protanomaly

76.5826, 84.6400, 101.9233



Deuteranomaly

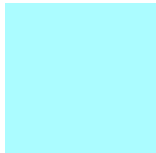
78.1299, 84.0131, 106.7060



Tritanomaly

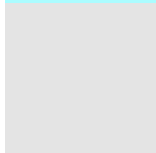
73.5589, 85.2109, 107.1781

Monochromacy



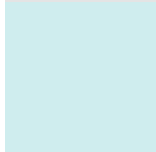
Original Color

69.6550, 85.4987, 107.4394



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

71.4489, 80.0068, 92.5660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6550, 85.4987, 107.4394 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(171, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 252, 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(171, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.6550, 85.4987, 107.4394 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(171, 252, 255) }
```


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

```
.border{ border-color:rgb(171, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6550, 85.4987, 107.4394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 252, 255) }
```

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

```
.background{ background-color: rgb(171,  
252, 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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