

Converting Colors

XYZ(93.3520, 100.0000,
219.5228)

Have a look what the booklet for
XYZ(93.3520, 100.0000, 219.5228)
contains.

XYZ(69.9584, 87.0648, 107.7257)	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(69.9584, 87.0648,
107.7257)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FFFF
RGB	168, 255, 255
RGB Percent	66%, 100%, 100%
CMY	0.3412, 0.0000, 0.0000
CMYK	0.34, 0.00, 0.00, 0.00
HSL	180°, 100%, 83%
HSV	180°, 34%, 100%
XYZ	69.9584, 87.0648, 107.7257
YIQ	228.9870, -51.8520, -18.4440

Conversions

Conversions Part 2

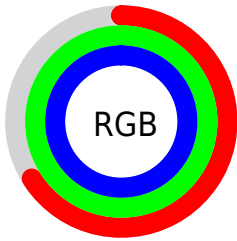
Format	Color
R_{YB}	168, 212, 255
Decimal	11075583
CIE _{Lab}	94.77, -25.99, -8.31
CIE _{LCh}	95, 27.292, 197.735
Y _{xy}	87.0648, 0.2642, 0.3289
Android (android.graphics.Color)	4289265663 (0xFFA8FFFF)
Y_{UV}	228.9870, 12.8244, -53.4856
Hunter-Lab	93.3085, -29.4589, -3.1350

Details

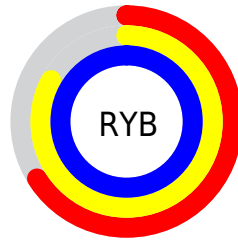
The XYZ color **69.9584, 87.0648, 107.7257** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.3115, 52.0939, 43.8185**, and the grayscale version is **74.4026, 78.2773, 85.2440**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **36.9427, 47.8449, 60.7140** is the 20% darker color. If you saturate the color by 10%, you get **65.0520, 84.5354, 107.4961**, and if you desaturate by 10%, it is **75.9310, 90.1438, 108.0052**.

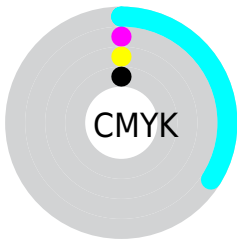
Distribution



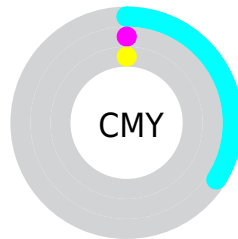
- Red (66%)
- Green (100%)
- Blue (100%)



- Red (66%)
- Yellow (83%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (34%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9584, 87.0648, 107.7257 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 69.9584, 87.0648, 107.7257 by changing the saturation by 10% instead.


 69.9584, 87.0648,
107.7257

 69.9584, 87.0648,
107.7257

449.6726,
518.4358, 606.1451

 51.7721, 65.5488,
82.1153


 118.1760,
143.2545, 173.8784

 37.0470, 47.9062,
60.9242


148.9380,
178.6969, 215.2578

 25.4177, 33.7526,
43.7339

184.6227,
219.5504, 262.7306

 16.5189, 22.7036,
30.1257

225.5953,
266.1992, 316.7154

 9.9853, 14.3748,
19.6811

272.2213,
319.0277, 377.6307

 5.4514, 8.3818,
11.9817

324.8659,

 2.5519, 4.3402,

378.4204, 445.8950

6.6088

383.8946,
444.7616, 521.9270

■ 0.9215, 1.8656,
3.1440

■ 0.0000, 0.5276,
1.1686

■ 69.9584, 87.0648,
107.7257

■ 69.9584, 87.0648,
107.7257

■ 65.0520, 84.5354,
107.4961

■ 75.9310, 90.1438,
108.0052

■ 61.1466, 82.5222,
107.3133

■ 83.0245, 93.8006,
108.3372

■ 58.1742, 80.9898,
107.1742

■ 91.2933, 98.0633,
108.7242

■ 56.0570, 79.8984,
107.0752

95.0500, 100.0000,
108.9000

■ 54.7048, 79.2013,
107.0119

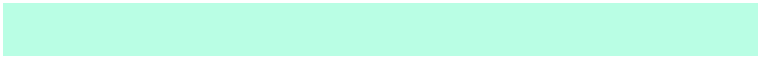
■ 54.0071, 78.8416,
106.9792

■ 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.



69.6455, 87.0648, 86.4244



69.9584, 87.0648, 107.7257



73.5704, 87.0648, 128.1686

Triad

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



69.9584, 87.0648, 107.7257



93.7050, 87.0648, 124.8445



85.8039, 87.0648, 60.3720

Complementary

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



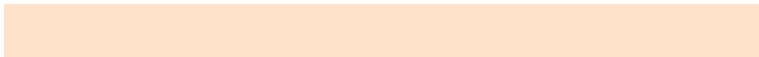
69.9584, 87.0648, 107.7257



62.3115, 52.0939, 43.8185

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.



92.6685, 87.0648, 67.7906



69.9584, 87.0648, 107.7257



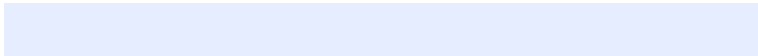
97.4087, 87.0648, 103.6973

Square

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



69.9584, 87.0648, 107.7257



87.1510, 87.0648, 139.0176



97.0184, 87.0648, 82.9497



78.5045, 87.0648, 61.1181

Rectangle

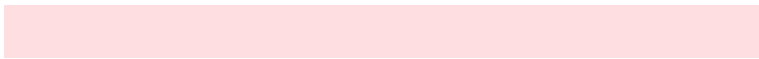
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.9584, 87.0648, 107.7257



77.4912, 87.0648, 137.6042



97.0184, 87.0648, 82.9497



88.2467, 87.0648, 61.9418

Sweetspot

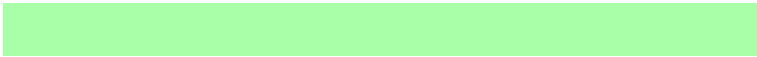
The Sweet Spot groups the original color and five complimentary colors.



69.9592, 87.0652, 107.7258



86.2829, 95.4804, 108.4897



58.9775, 82.6725, 49.8965



18.2251, 20.3115, 23.2099



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.



69.9592, 87.0652, 107.7258



66.4707, 85.2668, 107.5625



57.6184, 62.3835, 103.6122



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.



73.2933, 56.4866, 101.6478



70.2683, 50.4366, 100.6394



71.7274, 70.9256, 46.9571



18.7928, 18.3004, 22.7918



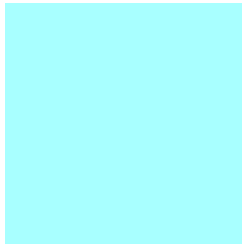
30.9803, 14.8814, 50.6741



3.0164, 1.4490, 4.9340

Previews

White Background



This preview shows how the XYZ color 69.9584, 87.0648, 107.7257 looks on a white background.

Color Contrast Check

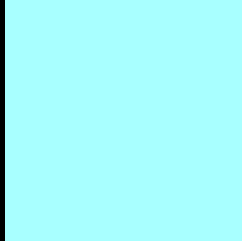
Large Text (above 18pt) WCAG AA × Fail

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 69.9584, 87.0648, 107.7257 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 69.9584, 87.0648, 107.7257

Background



This preview shows how black text looks on a background with the XYZ color 69.9584, 87.0648, 107.7257.

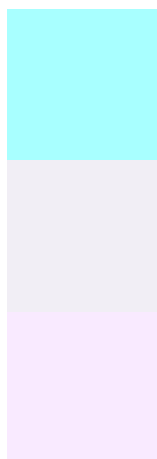


This preview shows how white text looks on a background with the XYZ color 69.9584, 87.0648,

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

69.9584, 87.0648, 107.7257

Protanopia

83.3316, 86.4424, 98.6792

Deuteranopia

86.5397, 86.2054, 106.6859



Tritanopia

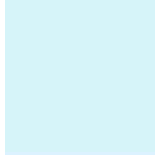
77.8538, 86.5219, 107.2048

Trichromacy



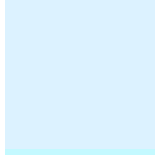
Original Color

69.9584, 87.0648, 107.7257



Protanomaly

77.1811, 85.8371, 102.1229



Deuteranomaly

79.3173, 85.9399, 107.0153



Tritanomaly

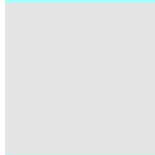
74.6906, 86.7071, 107.4073

Monochromacy



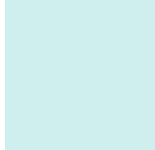
Original Color

69.9584, 87.0648, 107.7257



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.7393, 80.5875, 92.6628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9584, 87.0648, 107.7257 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(168, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 255) }
```

Border

The CSS property to change the border of an element to XYZ 69.9584, 87.0648, 107.7257 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(168, 255, 255) }
```


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

```
.border{ border-color:rgb(168, 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(168, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9584, 87.0648, 107.7257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 255) }
```

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

```
.background{ background-color: rgb(168,  
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](#).

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