

Converting Colors

XYZ(75.0990, 86.2627,
147.6186)

Have a look what the booklet for
XYZ(75.0990, 86.2627, 147.6186)
contains.

XYZ(67.5454, 83.4837, 107.1617)	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(67.5454, 83.4837,
107.1617)**

Conversions

Conversions Part 1

Format	Color
Hex	A4FAFF
RGB	164, 250, 255
RGB Percent	64%, 98%, 100%
CMY	0.3568, 0.0196, 0.0000
CMYK	0.36, 0.02, 0.00, 0.00
HSL	183°, 100%, 82%
HSV	183°, 36%, 100%
XYZ	67.5454, 83.4837, 107.1617
YIQ	224.8560, -52.8610, -16.6770

Conversions

Conversions Part 2

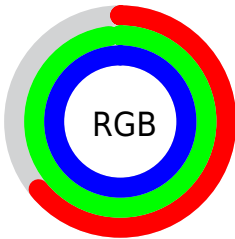
Format	Color
RYB	164, 208, 255
Decimal	10812159
CIELab	93.23, -24.61, -10.62
CIELCh	93, 26.802, 203.344
Yxy	83.4837, 0.2616, 0.3233
Android (android.graphics.Color)	4289002239 (0xFFA4FAFF)
YUV	224.8560, 14.8610, -53.3707
Hunter-Lab	91.3694, -27.9393, -5.5791

Details

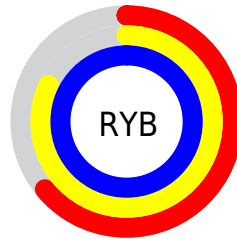
The XYZ color **67.5454, 83.4837, 107.1617** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.1290, 52.3162, 41.9472**, and the grayscale version is **71.3903, 75.1082, 81.7928**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **35.3264, 45.3429, 60.3162** is the 20% darker color. If you saturate the color by 10%, you get **62.3684, 80.1735, 106.7956**, and if you desaturate by 10%, it is **73.7851, 87.3506, 107.5792**.

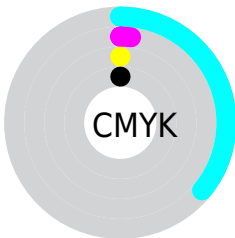
Distribution



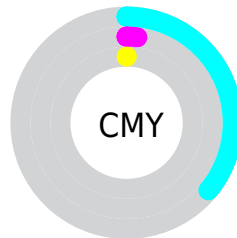
- Red (64%)
- Green (98%)
- Blue (100%)



- Red (64%)
- Yellow (82%)
- Blue (100%)



- Cyan (36%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5454, 83.4837, 107.1617 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 67.5454, 83.4837, 107.1617 by changing the saturation by 10% instead.

67.5454, 83.4837,
107.1617

67.5454, 83.4837,
107.1617

441.2857,
506.5972, 604.3595

49.8003, 62.5893,
81.6448

114.7471,
138.2527, 173.1021

35.4719, 45.5090,
60.5387

144.9343,
172.8961, 214.3627

24.1948, 31.8585,
43.4248

179.9997,
212.8912, 261.7082

15.6037, 21.2535,
29.8847

220.3086,
258.6225, 315.5573

9.3332, 13.3094,
19.4998

266.2262,
310.4744, 376.3284

5.0180, 7.6420,
11.8515

318.1181,

2.2927, 3.8667,

368.8311, 444.4401

6.5213

376.3494,
434.0773, 520.3110

■ 0.7909, 1.5993,
3.0907

■ 0.0000, 0.3571,
1.1411

■ 67.5454, 83.4837,
107.1617

■ 67.5454, 83.4837,
107.1617

■ 62.3684, 80.1735,
106.7956

■ 73.7851, 87.3506,
107.5792

■ 58.1839, 77.3777,
106.4765

■ 81.1390, 91.7947,
108.0494

■ 54.9241, 75.0634,
106.2016

■ 89.6631, 96.8468,
108.5753

■ 52.5095, 73.1895,
105.9672

95.0500, 100.0000,
108.9000

■ 50.8473, 71.7083,
105.7689

■ 49.8227, 70.5605,
105.6014

■ 49.5056, 70.1311,
105.5352

Harmonies

Analogous

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



66.6352, 83.4837, 86.4746



67.5454, 83.4837, 107.1617



71.5301, 83.4837, 125.7249

Triad

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



67.5454, 83.4837, 107.1617



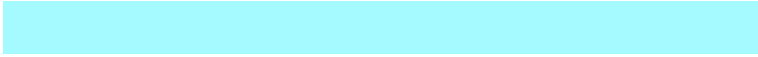
90.7243, 83.4837, 116.0948



80.9300, 83.4837, 57.5429

Complementary

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



67.5454, 83.4837, 107.1617



62.1290, 52.3162, 41.9472

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.



87.7174, 83.4837, 63.1839



67.5454, 83.4837, 107.1617



93.5845, 83.4837, 95.4729

Square

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



67.5454, 83.4837, 107.1617



84.8405, 83.4837, 131.3927



92.4528, 83.4837, 76.3719



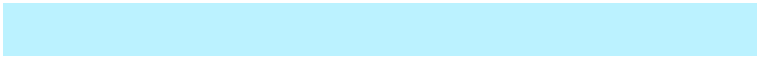
74.0992, 83.4837, 59.7191

Rectangle

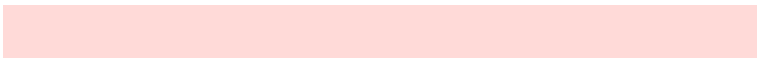
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.5454, 83.4837, 107.1617



75.5275, 83.4837, 133.3822



92.4528, 83.4837, 76.3719



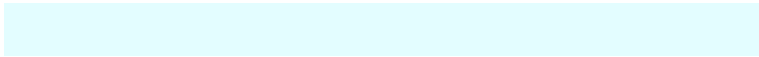
83.2968, 83.4837, 58.5565

Sweetspot

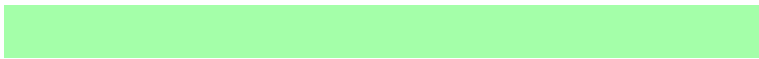
The Sweet Spot groups the original color and five complimentary colors.



67.5476, 83.4869, 107.1622



84.9835, 94.0842, 108.2887



58.1902, 82.2607, 50.1277



17.9461, 19.9931, 23.1631



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.



67.5476, 83.4869, 107.1622



63.6584, 81.0108, 106.8892



55.1805, 58.7526, 103.0398



18.4644, 20.3004, 23.1951



25.9047, 36.7190, 55.1567



2.5473, 3.6253, 5.3788

Inverse Universe

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



71.7722, 54.7147, 97.2243



68.5148, 48.4563, 95.3484



72.0008, 72.0598, 45.2378



18.7471, 18.2821, 22.5511



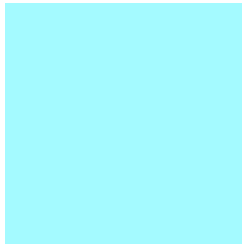
29.8637, 14.4348, 44.7942



2.9204, 1.4105, 4.4281

Previews

White Background



This preview shows how the XYZ color 67.5454, 83.4837, 107.1617 looks on a white background.

Color Contrast Check

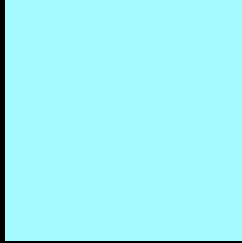
Large Text (above 18pt) WCAG AA × Fail

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 67.5454, 83.4837, 107.1617 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 67.5454, 83.4837, 107.1617

Background



This preview shows how black text looks on a background with the XYZ color 67.5454, 83.4837, 107.1617.

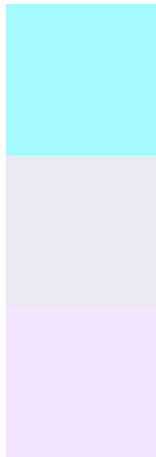


This preview shows how white text looks on a background with the XYZ color 67.5454, 83.4837,

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

67.5454, 83.4837, 107.1617

Protanopia

80.2124, 82.7033, 98.1219

Deuteranopia

83.3775, 82.4917, 106.1358



Tritanopia

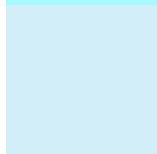
73.3893, 83.3270, 106.8234

Trichromacy



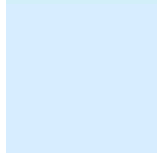
Original Color

67.5454, 83.4837, 107.1617



Protanomaly

74.5437, 82.2742, 101.5742



Deuteranomaly

76.3585, 82.2354, 106.4562



Tritanomaly

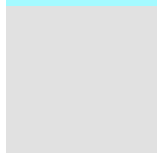
71.2555, 83.5706, 106.9829

Monochromacy



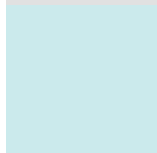
Original Color

67.5454, 83.4837, 107.1617



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.1917, 77.5983, 90.6881

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.5454, 83.4837, 107.1617 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(164, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 250, 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(164, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 250, 255) }
```

Border

The CSS property to change the border of an element to XYZ 67.5454, 83.4837, 107.1617 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(164, 250, 255) }
```


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

```
.border{ border-color:rgb(164, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 250,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 67.5454, 83.4837, 107.1617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 250, 255) }
```

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

```
.background{ background-color: rgb(164,  
250, 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