

Converting Colors

XYZ(109.3936, 100.0000,
320.2178)

Have a look what the booklet for
XYZ(109.3936, 100.0000, 320.2178)
contains.

XYZ(68.9389, 83.7420, 107.1381)	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(68.9389, 83.7420,
107.1381)**

Conversions

Conversions Part 1

Format	Color
Hex	ACF9FF
RGB	172, 249, 255
RGB Percent	67%, 98%, 100%
CMY	0.3255, 0.0235, 0.0000
CMYK	0.33, 0.02, 0.00, 0.00
HSL	184°, 100%, 84%
HSV	184°, 33%, 100%
XYZ	68.9389, 83.7420, 107.1381
YIQ	226.6610, -47.8180, -14.4580

Conversions

Conversions Part 2

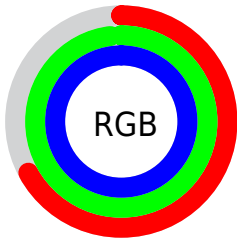
Format	Color
R_{YB}	172, 212, 255
Decimal	11336191
CIE Lab	93.34, -22.05, -10.41
CIE LCh	93, 24.381, 205.280
Yxy	83.7420, 0.2653, 0.3223
Android (android.graphics.Color)	4289526271 (0xFFACF9FF)
YUV	226.6610, 13.9711, -47.9377
Hunter-Lab	91.5107, -25.6719, -5.3576

Details

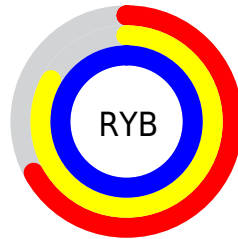
The XYZ color **68.9389, 83.7420, 107.1381** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.6069, 56.0791, 46.4507**, and the grayscale version is **72.6960, 76.4818, 83.2887**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **36.2451, 45.4895, 60.2961** is the 20% darker color. If you saturate the color by 10%, you get **63.3043, 79.9982, 106.7125**, and if you desaturate by 10%, it is **75.6573, 88.0570, 107.6169**.

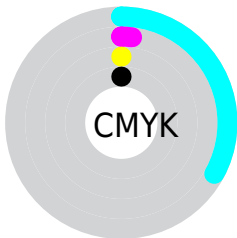
Distribution



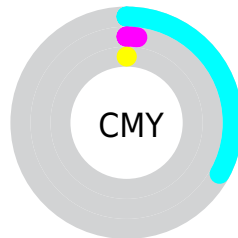
- Red (67%)
- Green (98%)
- Blue (100%)



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



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9389, 83.7420, 107.1381 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 68.9389, 83.7420, 107.1381 by changing the saturation by 10% instead.

68.9389, 83.7420,
107.1381

68.9389, 83.7420,
107.1381

446.1402,
507.4561, 604.2847

50.9384, 62.8024,
81.6251

116.7288,
138.6142, 173.0696

36.3804, 45.6814,
60.5225

147.2490,
173.3157, 214.3252

24.8996, 31.9945,
43.4119

182.6731,
213.3732, 261.6654

16.1306, 21.3573,
29.8746

223.3665,
259.1712, 315.5088

9.7081, 13.3854,
19.4922

269.6946,
311.0941, 376.2739

5.2666, 7.6945,
11.8461

322.0226,

2.4409, 3.9001,

369.5263, 444.3792

6.5177

380.7161,
434.8522, 520.2433

■ 0.8655, 1.6178,
3.0885

■ 0.0000, 0.3696,
1.1400

■ 68.9389, 83.7420,
107.1381

■ 68.9389, 83.7420,
107.1381

■ 63.3043, 79.9982,
106.7125

■ 75.6573, 88.0570,
107.6169

■ 58.6851, 76.7841,
106.3355

■ 83.5096, 92.9627,
108.1499

■ 55.0157, 74.0678,
106.0046

■ 92.5506, 98.4896,
108.7402

■ 52.2200, 71.8102,
105.7162

■ 95.0500, 100.0000,
108.9000

■ 50.2100, 69.9658,
105.4661

■ 48.8792, 68.4797,
105.2494

■ 48.2126, 67.5451,
105.1042

Harmonies

Analogous

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



67.9072, 83.7420, 88.3006



68.9389, 83.7420, 107.1381



72.7638, 83.7420, 123.4595

Triad

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



68.9389, 83.7420, 107.1381



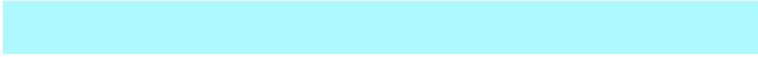
90.1853, 83.7420, 112.8512



80.6151, 83.7420, 60.2727

Complementary

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



68.9389, 83.7420, 107.1381



64.6069, 56.0791, 46.4507

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.



86.8393, 83.7420, 65.0842



68.9389, 83.7420, 107.1381



92.5507, 83.7420, 94.1230

Square

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



68.9389, 83.7420, 107.1381



84.9868, 83.7420, 127.0568



91.2946, 83.7420, 76.8923



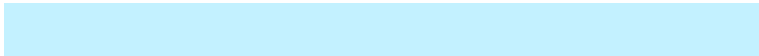
74.4348, 83.7420, 62.7867

Rectangle

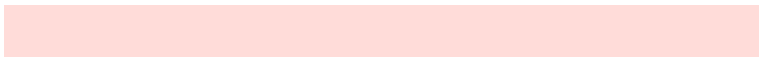
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68.9389, 83.7420, 107.1381



76.4966, 83.7420, 129.8553



91.2946, 83.7420, 76.8923



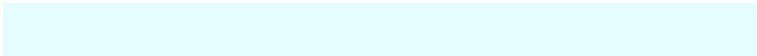
82.7745, 83.7420, 61.0662

Sweetspot

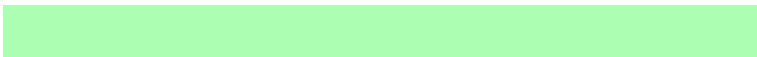
The Sweet Spot groups the original color and five complimentary colors.



68.9411, 83.7452, 107.1386



85.6980, 94.3107, 108.2948



60.7635, 83.4868, 54.7880



18.0824, 20.0261, 23.1623



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.



68.9411, 83.7452, 107.1386



65.1842, 81.2648, 106.8578



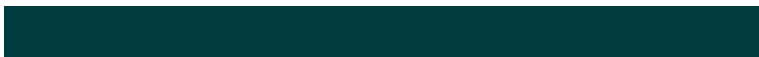
57.6123, 61.0875, 103.3623



18.4359, 20.2435, 23.1857



25.2396, 35.3888, 54.9350



2.4897, 3.5102, 5.3596

Inverse Universe

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



73.0928, 57.6062, 96.8929



69.9678, 51.6521, 94.9395



74.0273, 74.9199, 49.5908



18.7327, 18.2764, 22.4755



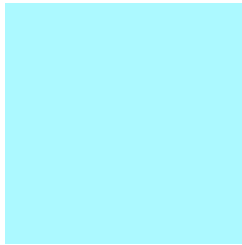
29.5280, 14.3005, 43.0264



2.8913, 1.3989, 4.2750

Previews

White Background



This preview shows how the XYZ color 68.9389, 83.7420, 107.1381 looks on a white background.

Color Contrast Check

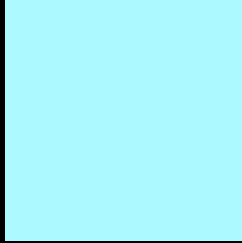
Large Text (above 18pt) WCAG AA × Fail

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 68.9389, 83.7420, 107.1381 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

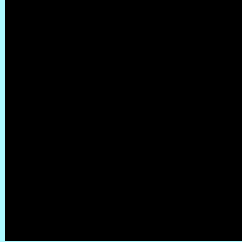
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.9389, 83.7420, 107.1381

Background



This preview shows how black text looks on a background with the XYZ color 68.9389, 83.7420, 107.1381.

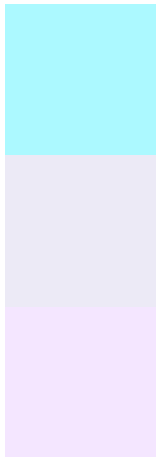


This preview shows how white text looks on a background with the XYZ color 68.9389, 83.7420,

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

68.9389, 83.7420, 107.1381

Protanopia

80.6494, 83.3323, 99.0228

Deuteranopia

83.6550, 83.0467, 106.2283



Tritanopia

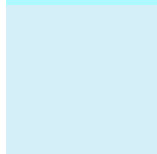
73.8895, 83.1418, 106.7613

Trichromacy



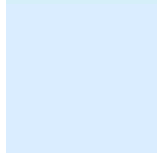
Original Color

68.9389, 83.7420, 107.1381



Protanomaly

75.4060, 82.7187, 101.6145



Deuteranomaly

77.2476, 82.6938, 106.4979



Tritanomaly

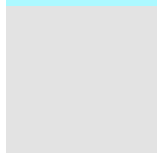
71.9376, 83.4720, 106.9279

Monochromacy



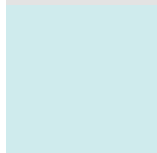
Original Color

68.9389, 83.7420, 107.1381



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.7265, 78.7965, 91.6023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9389, 83.7420, 107.1381 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(172, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 249, 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(172, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 249, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.9389, 83.7420, 107.1381 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(172, 249, 255) }
```


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

```
.border{ border-color:rgb(172, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 249,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9389, 83.7420, 107.1381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 249, 255) }
```

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

```
.background{ background-color: rgb(172,  
249, 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