

Converting Colors

XYZ(70.9370, 90.2009,
104.7188)

Have a look what the booklet for
XYZ(70.9370, 90.2009, 104.7188)
contains.

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Color

**XYZ(69.3210, 86.8099,
104.3692)**

Conversions

Conversions Part 1

Format	Color
Hex	A8FFFB
RGB	168, 255, 251
RGB Percent	66%, 100%, 98%
CMY	0.3412, 0.0000, 0.0157
CMYK	0.34, 0.00, 0.02, 0.00
HSL	177°, 100%, 83%
HSV	177°, 34%, 100%
XYZ	69.3210, 86.8099, 104.3692
YIQ	228.5310, -50.5680, -19.6880

Conversions

Conversions Part 2

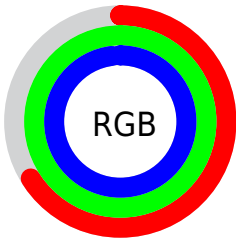
Format	Color
RYB	168, 213, 255
Decimal	11075579
CIELab	94.66, -26.90, -6.41
CIELCh	95, 27.656, 193.398
Yxy	86.8099, 0.2661, 0.3332
Android (android.graphics.Color)	4289265659 (0xFFA8FFFB)
YUV	228.5310, 11.0772, -53.0857
Hunter-Lab	93.1718, -30.2445, -1.1952

Details

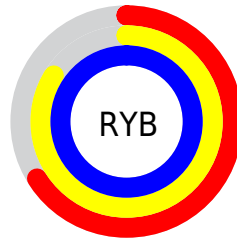
The XYZ color **69.3210, 86.8099, 104.3692** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.6898, 52.2451, 45.8107**, and the grayscale version is **74.0796, 77.9375, 84.8739**.

A 20% lighter version of the original color is **85.1740, 94.9088, 108.4378**, and **36.7265, 47.7730, 58.9152** is the 20% darker color. If you saturate the color by 10%, you get **64.2305, 84.2069, 103.1709**, and if you desaturate by 10%, it is **75.4791, 89.9630, 105.6263**.

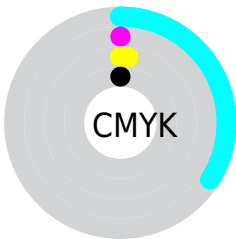
Distribution



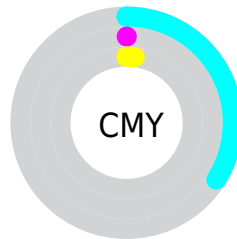
- Red (66%)
- Green (100%)
- Blue (98%)



- Red (66%)
- Yellow (84%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)



- Cyan (34%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.3210, 86.8099, 104.3692 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 69.3210, 86.8099, 104.3692 by changing the saturation by 10% instead.

69.3210, 86.8099,
104.3692

69.3210, 86.8099,
104.3692

447.4660,
517.5980, 595.4776

51.2508, 65.3379,
79.3173

117.2715,
142.8991, 169.2527

36.6301, 47.7351,
58.6339

147.8825,
178.2852, 209.9213

25.0936, 33.6172,
41.9004

183.4044,
219.0780, 256.6326

16.2759, 22.5997,
28.6983

224.2027,
265.6620, 309.8050

9.8117, 14.2982,
18.6091

270.6426,
318.4217, 369.8572

5.3356, 8.3283,
11.2142

323.0896,

2.4822, 4.3058,

377.7413, 437.2077

6.0951

381.9089,
444.0052, 512.2750

■ 0.8863, 1.8460,
2.8333

■ 0.0000, 0.5156,
1.0102

■ 69.3210, 86.8099,
104.3692

■ 69.3210, 86.8099,
104.3692

■ 64.2305, 84.2069,
103.1709

■ 75.4791, 89.9630,
105.6263

■ 60.1421, 82.1204,
102.0241

■ 82.7592, 93.6945,
106.9405

■ 56.9878, 80.5153,
100.9269

■ 91.2156, 98.0322,
108.3156

■ 54.6898, 79.3515,
99.8757

95.0500, 100.0000,
108.9000

■ 53.1579, 78.5825,
98.8663

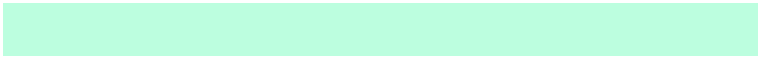
■ 52.2817, 78.1514,
97.8935

■ 51.9801, 78.0080,
97.3339

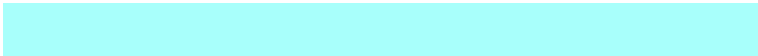
Harmonies

Analogous

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



69.5061, 86.8099, 83.2564



69.3210, 86.8099, 104.3692



72.5149, 86.8099, 125.6687

Triad

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



69.3210, 86.8099, 104.3692



92.7693, 86.8099, 127.6439



86.6794, 86.8099, 60.3488

Complementary

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



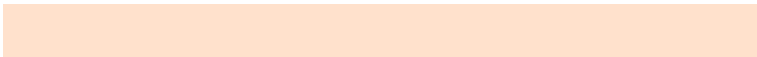
69.3210, 86.8099, 104.3692



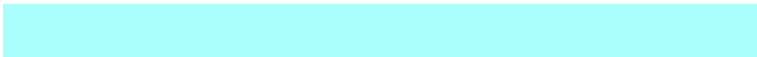
62.6898, 52.2451, 45.8107

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.



93.3843, 86.8099, 68.9991



69.3210, 86.8099, 104.3692



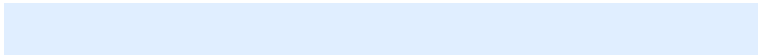
97.0428, 86.8099, 106.7589

Square

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



69.3210, 86.8099, 104.3692



85.8808, 86.8099, 140.4106



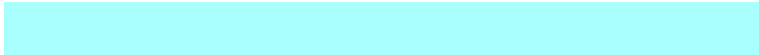
97.2745, 86.8099, 85.3131



79.2290, 86.8099, 59.9088

Rectangle

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



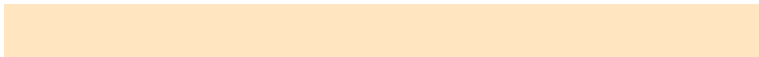
69.3210, 86.8099, 104.3692



76.2487, 86.8099, 136.2439



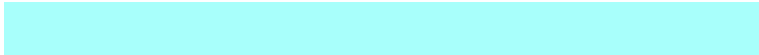
97.2745, 86.8099, 85.3131



89.1055, 86.8099, 62.3259

Sweetspot

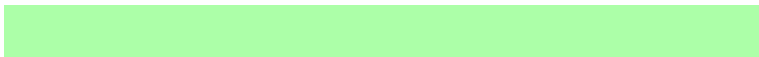
The Sweet Spot groups the original color and five complimentary colors.



69.3220, 86.8103, 104.3707



86.0947, 95.4051, 107.4990



59.9191, 83.1579, 49.9404



18.1792, 20.2931, 22.9681



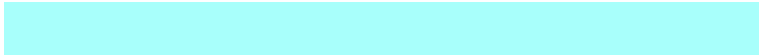
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

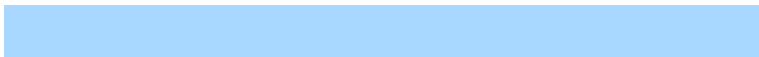
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.3220, 86.8103, 104.3707



65.7066, 84.9612, 103.5390



58.7170, 64.5809, 103.9784



18.5167, 20.4662, 23.0237



27.1766, 40.7672, 50.9424



2.6568, 3.9736, 5.0165

Inverse Universe

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



62.6898, 52.2451, 45.8107



58.1561, 45.5917, 36.8576



70.6578, 68.7865, 46.6005



18.0432, 18.0006, 18.8447



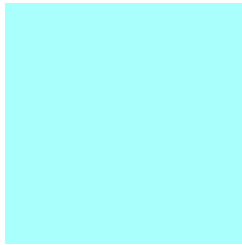
21.5969, 11.1281, 1.2620



2.1142, 1.0880, 0.1827

Previews

White Background



This preview shows how the XYZ color 69.3210, 86.8099, 104.3692 looks on a white background.

Color Contrast Check

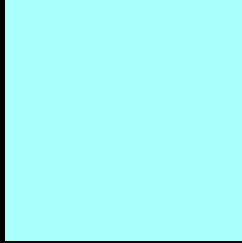
Large Text (above 18pt) WCAG AA × Fail

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 69.3210, 86.8099, 104.3692 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 69.3210, 86.8099, 104.3692

Background



This preview shows how black text looks on a background with the XYZ color 69.3210, 86.8099, 104.3692.

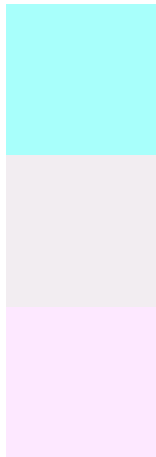


This preview shows how white text looks on a background with the XYZ color 69.3210, 86.8099,

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

69.3210, 86.8099, 104.3692

Protanopia

82.7793, 85.7965, 95.4165

Deuteranopia

87.4146, 85.8159, 106.5646



Tritanopia

77.5664, 86.3737, 107.1913

Trichromacy



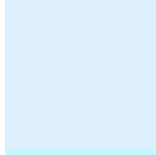
Original Color

69.3210, 86.8099, 104.3692



Protanomaly

76.8564, 85.7410, 98.8851



Deuteranomaly

79.1737, 85.0055, 106.0007



Tritanomaly

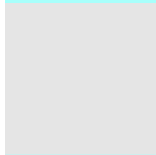
74.2708, 86.5092, 106.5494

Monochromacy



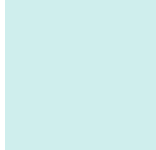
Original Color

69.3210, 86.8099, 104.3692



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.5927, 80.5289, 91.8911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.3210, 86.8099, 104.3692 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(168, 255, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 251) }
```

Border

The CSS property to change the border of an element to XYZ 69.3210, 86.8099, 104.3692 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, 251) }
```


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

```
.border{ border-color:rgb(168, 255, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 251);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 69.3210, 86.8099, 104.3692 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, 251) }
```

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

```
.background{ background-color: rgb(168,  
255, 251) }
```

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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