

Converting Colors

XYZ(70.0961, 83.0450,
116.6635)

Have a look what the booklet for
XYZ(70.0961, 83.0450, 116.6635)
contains.

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Color

**XYZ(68.3240, 82.5122,
106.9331)**

Conversions

Conversions Part 1

Format	Color
Hex	ACF7FF
RGB	172, 247, 255
RGB Percent	67%, 97%, 100%
CMY	0.3255, 0.0314, 0.0000
CMYK	0.33, 0.03, 0.00, 0.00
HSL	186°, 100%, 84%
HSV	186°, 33%, 100%
XYZ	68.3240, 82.5122, 106.9331
YIQ	225.4870, -47.2680, -13.4120

Conversions

Conversions Part 2

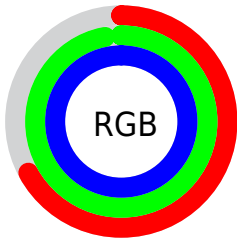
Format	Color
R _Y B	172, 211, 255
Decimal	11335679
CIE Lab	92.80, -21.07, -11.21
CIE LCh	93, 23.865, 208.022
Yxy	82.5122, 0.2651, 0.3201
Android (android.graphics.Color)	4289525759 (0xFFACF7FF)
YUV	225.4870, 14.5499, -46.9081
Hunter-Lab	90.8362, -24.7016, -6.2113

Details

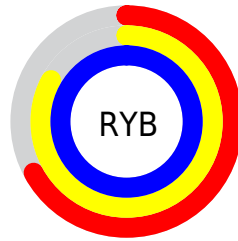
The XYZ color **68.3240, 82.5122, 106.9331** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.0078, 56.8808, 46.5843**, and the grayscale version is **71.8432, 75.5847, 82.3117**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **36.0263, 45.0518, 60.2232** is the 20% darker color. If you saturate the color by 10%, you get **62.5096, 78.4089, 106.4476**, and if you desaturate by 10%, it is **75.2264, 87.1952, 107.4732**.

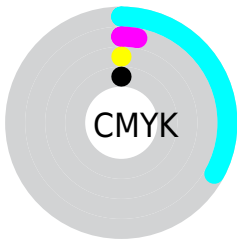
Distribution



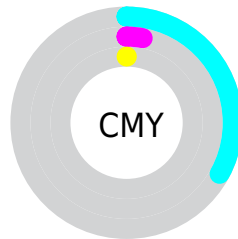
- Red (67%)
- Green (97%)
- Blue (100%)



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



- Cyan (33%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.3240, 82.5122, 106.9331 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 68.3240, 82.5122, 106.9331 by changing the saturation by 10% instead.

68.3240, 82.5122,
106.9331

68.3240, 82.5122,
106.9331

444.0019,
503.3594, 603.6349

50.4360, 61.7878,
81.4541

115.8549,
136.8920, 172.7874

35.9792, 44.8613,
60.3825

146.2285,
171.3163, 213.9997

24.5881, 31.3482,
43.2997

181.4947,
211.0760, 261.2936

15.8976, 20.8641,
29.7872

222.0188,
256.5555, 315.0876

9.5421, 13.0247,
19.4264

268.1663,
308.1391, 375.8001

5.1563, 7.4456,
11.7989

320.3023,

2.3750, 3.7423,

366.2114, 443.8499

6.4860

378.7924,
431.1567, 519.6553

■ 0.8326, 1.5305,
3.0693

■ 0.0000, 0.3100,
1.1301

■ 68.3240, 82.5122,
106.9331

■ 68.3240, 82.5122,
106.9331

■ 62.5096, 78.4089,
106.4476

■ 75.2264, 87.1952,
107.4732

■ 57.7150, 74.8439,
106.0122

■ 83.2671, 92.4776,
108.0691

■ 53.8745, 71.7854,
105.6242

■ 92.5009, 98.3900,
108.7236

■ 50.9119, 69.1940,
105.2802

95.0500, 100.0000,
108.9000

■ 48.7392, 67.0242,
104.9759

■ 47.2500, 65.2212,
104.7064

■ 46.4679, 64.0559,
104.5226

Harmonies

Analogous

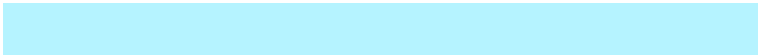
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.0581, 82.5122, 88.6636



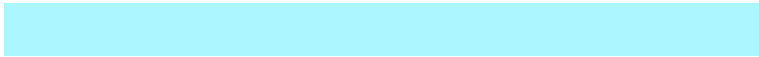
68.3240, 82.5122, 106.9331



72.2541, 82.5122, 122.1790

Triad

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



68.3240, 82.5122, 106.9331



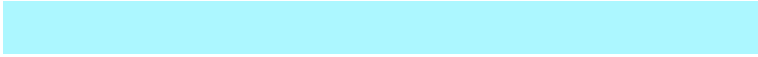
89.0259, 82.5122, 109.2517



78.8393, 82.5122, 59.7458

Complementary

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



68.3240, 82.5122, 106.9331



65.0078, 56.8808, 46.5843

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.



84.9384, 82.5122, 63.7820



68.3240, 82.5122, 106.9331



91.0097, 82.5122, 91.0304

Square

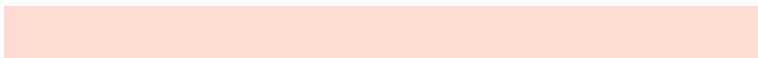
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.3240, 82.5122, 106.9331



84.1858, 82.5122, 123.6373



89.4763, 82.5122, 74.6761



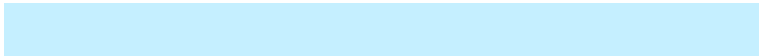
72.9339, 82.5122, 62.8449

Rectangle

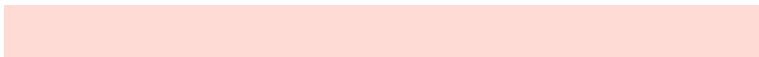
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



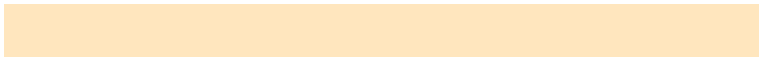
68.3240, 82.5122, 106.9331



75.9668, 82.5122, 127.7315



89.4763, 82.5122, 74.6761



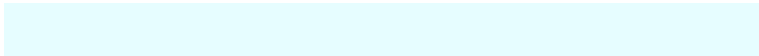
80.9364, 82.5122, 60.3007

Sweetspot

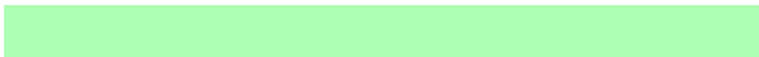
The Sweet Spot groups the original color and five complimentary colors.



68.3262, 82.5154, 106.9336



85.5042, 93.9230, 108.2301



60.9026, 83.5425, 55.5208



18.0352, 19.9316, 23.1466



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.



68.3262, 82.5154, 106.9336



64.4528, 79.8020, 106.6141



57.2765, 60.4161, 103.2504



18.3965, 20.1646, 23.1725



24.3417, 33.5930, 54.6357



2.4117, 3.3541, 5.3336

Inverse Universe

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



72.7824, 57.4821, 95.2585



69.5987, 51.5044, 92.9955



74.3898, 75.6449, 49.7117



18.7128, 18.2684, 22.3706



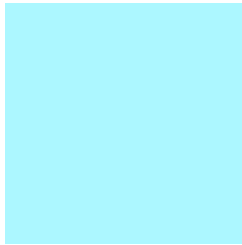
29.0748, 14.1192, 40.6398



2.8519, 1.3831, 4.0676

Previews

White Background



This preview shows how the XYZ color 68.3240, 82.5122, 106.9331 looks on a white background.

Color Contrast Check

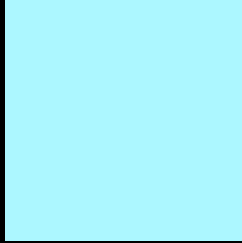
Large Text (above 18pt) WCAG AA × Fail

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 68.3240, 82.5122, 106.9331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

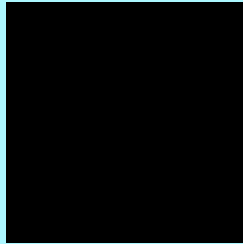
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.3240, 82.5122, 106.9331

Background



This preview shows how black text looks on a background with the XYZ color 68.3240, 82.5122, 106.9331.

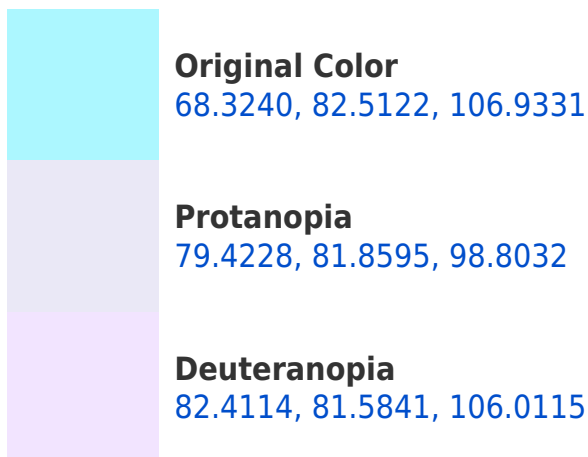


This preview shows how white text looks on a background with the XYZ color 68.3240, 82.5122,

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





Tritanopia

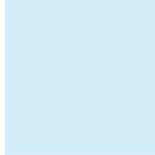
72.5313, 82.0009, 106.6127

Trichromacy



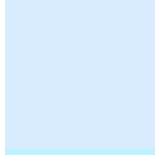
Original Color

68.3240, 82.5122, 106.9331



Protanomaly

74.2470, 81.2568, 101.3934



Deuteranomaly

76.3736, 81.3884, 106.2919



Tritanomaly

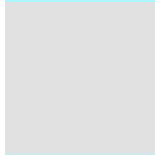
70.8396, 82.0126, 106.7041

Monochromacy



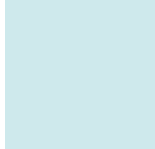
Original Color

68.3240, 82.5122, 106.9331



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.7328, 77.4558, 90.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3240, 82.5122, 106.9331 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 247, 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, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.3240, 82.5122, 106.9331 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, 247, 255) }
```


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

```
.border{ border-color:rgb(172, 247, 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, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3240, 82.5122, 106.9331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 247, 255) }
```

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

```
.background{ background-color: rgb(172,  
247, 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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