

Converting Colors

XYZ(68.5822, 82.5699,
106.9307)

Have a look what the booklet for
XYZ(68.5822, 82.5699, 106.9307)
contains.

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Color

**XYZ(68.5443, 82.6258,
106.9434)**

Conversions

Conversions Part 1

Format	Color
Hex	ADF7FF
RGB	173, 247, 255
RGB Percent	68%, 97%, 100%
CMY	0.3216, 0.0314, 0.0000
CMYK	0.32, 0.03, 0.00, 0.00
HSL	186°, 100%, 84%
HSV	186°, 32%, 100%
XYZ	68.5443, 82.6258, 106.9434
YIQ	225.7860, -46.6720, -13.2000

Conversions

Conversions Part 2

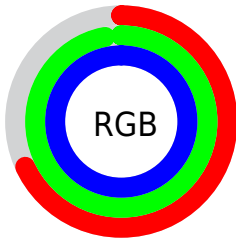
Format	Color
RYB	173, 212, 255
Decimal	11401215
CIELab	92.85, -20.80, -11.13
CIELCh	93, 23.593, 208.155
Yxy	82.6258, 0.2656, 0.3201
Android (android.graphics.Color)	4289591295 (0xFFADF7FF)
YUV	225.7860, 14.4025, -46.2933
Hunter-Lab	90.8987, -24.4707, -6.1262

Details

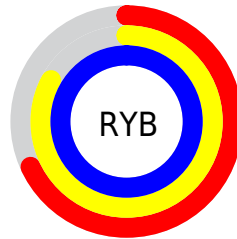
The XYZ color **68.5443, 82.6258, 106.9434** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.3068, 57.3245, 47.1595**, and the grayscale version is **72.0595, 75.8122, 82.5595**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **36.1600, 45.1207, 60.2294** is the 20% darker color. If you saturate the color by 10%, you get **62.6799, 78.4833, 106.4530**, and if you desaturate by 10%, it is **75.4993, 87.3496, 107.4887**.

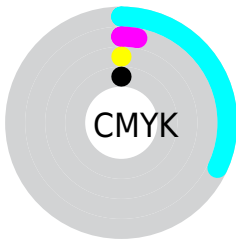
Distribution



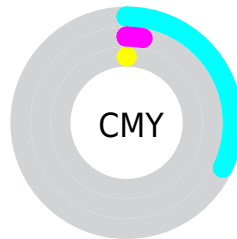
- Red (68%)
- Green (97%)
- Blue (100%)



- Red (68%)
- Yellow (83%)
- Blue (100%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5443, 82.6258, 106.9434 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 68.5443, 82.6258, 106.9434 by changing the saturation by 10% instead.

68.5443, 82.6258,
106.9434

68.5443, 82.6258,
106.9434

444.7686,
503.7386, 603.6676

50.6160, 61.8815,
81.4627

116.1681,
137.0512, 172.8016

36.1229, 44.9370,
60.3895

146.5943,
171.5012, 214.0161

24.6997, 31.4078,
43.3053

181.9171,
211.2884, 261.3123

15.9810, 20.9096,
29.7916

222.5020,
256.7974, 315.1087

9.6014, 13.0579,
19.4297

268.7142,
308.4125, 375.8239

5.1957, 7.4684,
11.8013

320.9191,

2.3985, 3.7567,

366.5182, 443.8765

6.4876

379.4822,
431.4987, 519.6848

■ 0.8444, 1.5384,
3.0702

■ 0.0000, 0.3156,
1.1306

■ 68.5443, 82.6258,
106.9434

■ 68.5443, 82.6258,
106.9434

■ 62.6799, 78.4833,
106.4530

■ 75.4993, 87.3496,
107.4887

■ 57.8381, 74.8810,
106.0128

■ 83.5949, 92.6745,
108.0898

■ 53.9534, 71.7869,
105.6204

■ 92.8858, 98.6309,
108.7498

■ 50.9500, 69.1621,
105.2720

■ 95.0500, 100.0000,
108.9000

■ 48.7405, 66.9614,
104.9637

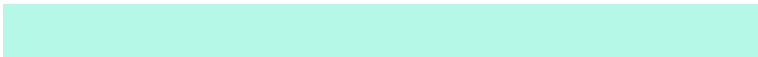
■ 47.2193, 65.1303,
104.6904

■ 46.3845, 63.8890,
104.4948

Harmonies

Analogous

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



67.2776, 82.6258, 88.8773



68.5443, 82.6258, 106.9434



72.4469, 82.6258, 121.9748

Triad

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



68.5443, 82.6258, 106.9434



89.0331, 82.6258, 109.0811



78.9155, 82.6258, 60.1363

Complementary

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



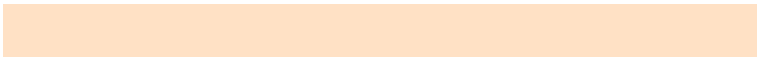
68.5443, 82.6258, 106.9434



65.3068, 57.3245, 47.1595

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.



84.9515, 82.6258, 64.1118



68.5443, 82.6258, 106.9434



90.9793, 82.6258, 91.0625

Square

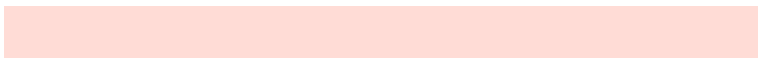
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.5443, 82.6258, 106.9434



84.2571, 82.6258, 123.3181



89.4486, 82.6258, 74.8868



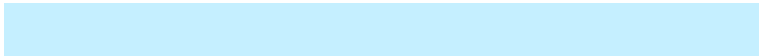
73.0749, 82.6258, 63.2441

Rectangle

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



68.5443, 82.6258, 106.9434



76.1265, 82.6258, 127.4252



89.4486, 82.6258, 74.8868



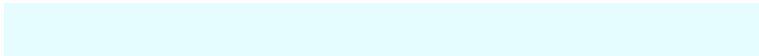
80.9904, 82.6258, 60.6769

Sweetspot

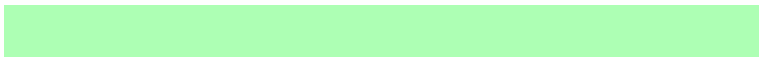
The Sweet Spot groups the original color and five complimentary colors.



68.5465, 82.6290, 106.9439



85.4948, 93.9042, 108.2270



61.2159, 83.6932, 56.0207



18.0329, 19.9270, 23.1458



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.



68.5465, 82.6290, 106.9439



64.4175, 79.7313, 106.6023



57.6380, 60.8120, 103.3078



18.3946, 20.1608, 23.1719



24.2988, 33.5071, 54.6214



2.4080, 3.3466, 5.3323

Inverse Universe

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



72.9734, 57.8641, 95.3222



69.5808, 51.4973, 92.9014



74.5960, 75.9029, 50.2560



18.7118, 18.2680, 22.3655



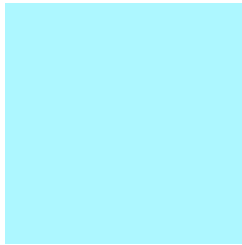
29.0531, 14.1105, 40.5256



2.8500, 1.3824, 4.0577

Previews

White Background



This preview shows how the XYZ color 68.5443, 82.6258, 106.9434 looks on a white background.

Color Contrast Check

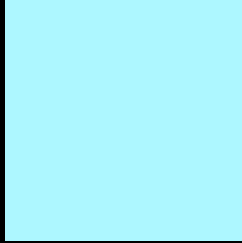
Large Text (above 18pt) WCAG AA × Fail

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 68.5443, 82.6258, 106.9434 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 68.5443, 82.6258, 106.9434

Background



This preview shows how black text looks on a background with the XYZ color 68.5443, 82.6258, 106.9434.

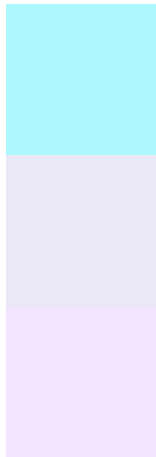


This preview shows how white text looks on a background with the XYZ color 68.5443, 82.6258,

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

68.5443, 82.6258, 106.9434

Protanopia

79.4228, 81.8595, 98.8032

Deuteranopia

82.7556, 81.7615, 106.0276



Tritanopia

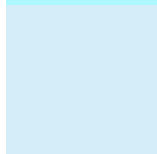
72.8281, 82.5946, 106.7116

Trichromacy



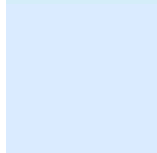
Original Color

68.5443, 82.6258, 106.9434



Protanomaly

74.5344, 81.4050, 101.4069



Deuteranomaly

76.6718, 81.5421, 106.3059



Tritanomaly

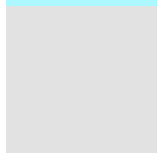
71.1397, 82.6127, 106.8041

Monochromacy



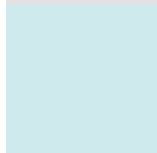
Original Color

68.5443, 82.6258, 106.9434



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

70.4410, 78.2255, 91.5072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5443, 82.6258, 106.9434 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(173, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 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(173, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 68.5443, 82.6258, 106.9434 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(173, 247, 255) }
```


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

```
.border{ border-color:rgb(173, 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(173, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5443, 82.6258, 106.9434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 247, 255) }
```

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

```
.background{ background-color: rgb(173,  
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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