

Converting Colors

XYZ(76.8355, 85.5006,
160.8679)

Have a look what the booklet for
XYZ(76.8355, 85.5006, 160.8679)
contains.

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Color

**XYZ(66.6206, 81.6340,
106.8534)**

Conversions

Conversions Part 1

Format	Color
Hex	A4F7FF
RGB	164, 247, 255
RGB Percent	64%, 97%, 100%
CMY	0.3568, 0.0314, 0.0000
CMYK	0.36, 0.03, 0.00, 0.00
HSL	185°, 100%, 82%
HSV	185°, 36%, 100%
XYZ	66.6206, 81.6340, 106.8534
YIQ	223.0950, -52.0360, -15.1080

Conversions

Conversions Part 2

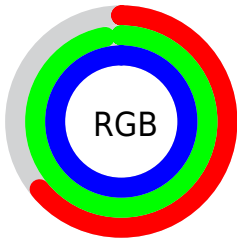
Format	Color
RYB	164, 207, 255
Decimal	10811391
CIELab	92.41, -23.15, -11.83
CIELCh	92, 25.998, 207.068
Yxy	81.6340, 0.2611, 0.3200
Android (android.graphics.Color)	4289001471 (0xFFA4F7FF)
YUV	223.0950, 15.7292, -51.8263
Hunter-Lab	90.3515, -26.4984, -6.8727

Details

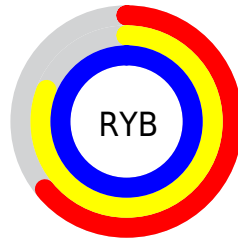
The XYZ color **66.6206, 81.6340, 106.8534** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.6937, 53.4455, 42.1356**, and the grayscale version is **70.1269, 73.7789, 80.3452**.

A 20% lighter version of the original color is **83.9342, 94.2696, 108.3798**, and **34.7908, 44.0923, 60.1031** is the 20% darker color. If you saturate the color by 10%, you get **61.1958, 77.8283, 106.4047**, and if you desaturate by 10%, it is **73.1130, 86.0063, 107.3552**.

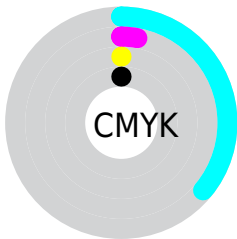
Distribution



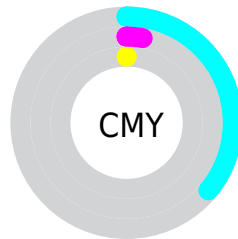
- Red (64%)
- Green (97%)
- Blue (100%)



- Red (64%)
- Yellow (81%)
- Blue (100%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6206, 81.6340, 106.8534 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 66.6206, 81.6340, 106.8534 by changing the saturation by 10% instead.

66.6206, 81.6340,
106.8534

66.6206, 81.6340,
106.8534

438.0468,
500.4226, 603.3822

49.0459, 61.0639,
81.3876

113.4294,
135.6606, 172.6776

34.8706, 44.2767,
60.3280

143.3942,
169.8859, 213.8731

23.7293, 30.8881,
43.2561

178.2198,
209.4318, 261.1490

15.2566, 20.5137,
29.7532

218.2716,
254.6825, 314.9237

9.0871, 12.7690,
19.4009

263.9148,
306.0226, 375.6159

4.8556, 7.2697,
11.7806

315.5148,

2.1967, 3.6313,

363.8364, 443.6440

6.4737

373.4371,
428.5082, 519.4266

■ 0.7410, 1.4695,
3.0618

■ 0.0000, 0.2671,
1.1263

■ 66.6206, 81.6340,
106.8534

■ 66.6206, 81.6340,
106.8534

■ 61.1958, 77.8283,
106.4047

■ 73.1130, 86.0063,
107.3552

■ 56.7686, 74.5470,
106.0047

■ 80.7246, 90.9659,
107.9113

■ 53.2710, 71.7571,
105.6506

■ 89.5116, 96.5436,
108.5248

■ 50.6235, 69.4176,
105.3385

95.0500, 100.0000,
108.9000

■ 48.7335, 67.4806,
105.0643

■ 47.4859, 65.8868,
104.8224

■ 47.0740, 65.2679,
104.7247

Harmonies

Analogous

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



65.3625, 81.6340, 87.0017



66.6206, 81.6340, 106.8534



70.7610, 81.6340, 123.7903

Triad

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



66.6206, 81.6340, 106.8534



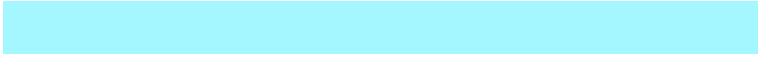
88.9756, 81.6340, 110.6120



78.2550, 81.6340, 56.7520

Complementary

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



66.6206, 81.6340, 106.8534



62.6937, 53.4455, 42.1356

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.



84.8462, 81.6340, 61.2488



66.6206, 81.6340, 106.8534



91.2561, 81.6340, 90.7964

Square

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



66.6206, 81.6340, 106.8534



83.6341, 81.6340, 126.1716



89.7034, 81.6340, 73.0541



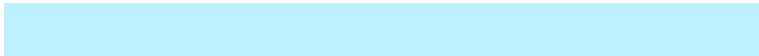
71.8456, 81.6340, 59.7805

Rectangle

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



66.6206, 81.6340, 106.8534



74.7283, 81.6340, 130.1556



89.7034, 81.6340, 73.0541



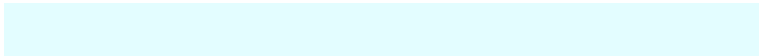
80.5252, 81.6340, 57.4161

Sweetspot

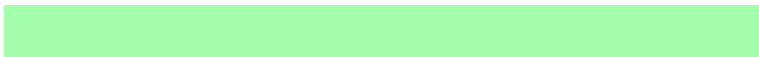
The Sweet Spot groups the original color and five complimentary colors.



66.6228, 81.6371, 106.8539



84.6915, 93.5003, 108.1914



58.4775, 82.3757, 51.6401



17.8760, 19.8529, 23.1398



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.



66.6228, 81.6371, 106.8539



62.5518, 78.7976, 106.5204



54.4622, 57.3160, 102.8004



18.4103, 20.1923, 23.1771



24.6537, 34.2170, 54.7397



2.4389, 3.4084, 5.3426

Inverse Universe

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



71.3054, 54.5281, 94.7659



67.9562, 48.2328, 92.4070



72.7760, 73.6100, 45.4964



18.7198, 18.2712, 22.4074



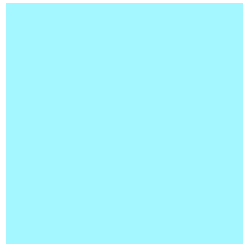
29.2322, 14.1822, 41.4690



2.8656, 1.3886, 4.1398

Previews

White Background



This preview shows how the XYZ color 66.6206, 81.6340, 106.8534 looks on a white background.

Color Contrast Check

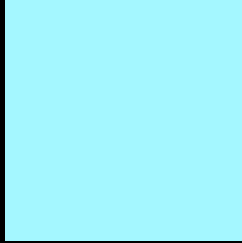
Large Text (above 18pt) WCAG AA × Fail

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 66.6206, 81.6340, 106.8534 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 66.6206, 81.6340, 106.8534

Background



This preview shows how black text looks on a background with the XYZ color 66.6206, 81.6340, 106.8534.

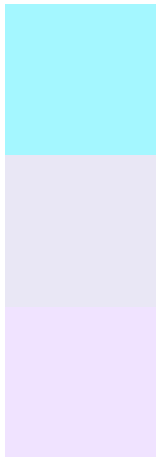


This preview shows how white text looks on a background with the XYZ color 66.6206, 81.6340,

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

66.6206, 81.6340, 106.8534

Protanopia

78.6616, 81.0680, 97.8880

Deuteranopia

81.4543, 80.6834, 105.8881



Tritanopia

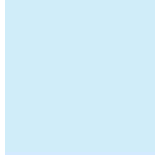
70.9912, 81.2070, 106.5406

Trichromacy



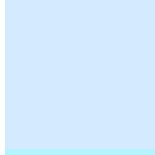
Original Color

66.6206, 81.6340, 106.8534



Protanomaly

73.3955, 80.8178, 101.3536



Deuteranomaly

74.6242, 80.0627, 106.1283



Tritanomaly

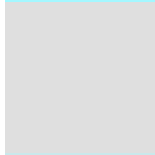
69.1566, 81.1449, 106.6253

Monochromacy



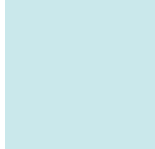
Original Color

66.6206, 81.6340, 106.8534



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

68.2091, 76.2679, 89.7234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.6206, 81.6340, 106.8534 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(164, 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(164, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 66.6206, 81.6340, 106.8534 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, 247, 255) }
```


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

```
.border{ border-color:rgb(164, 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(164, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(164, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 66.6206, 81.6340, 106.8534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 247, 255) }
```

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

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