

Converting Colors

XYZ(66.6064, 79.8918,
109.8262)

Have a look what the booklet for
XYZ(66.6064, 79.8918, 109.8262)
contains.

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Color

**XYZ(65.8265, 79.4282,
106.4695)**

Conversions

Conversions Part 1

Format	Color
Hex	A6F3FF
RGB	166, 243, 255
RGB Percent	65%, 95%, 100%
CMY	0.3490, 0.0470, 0.0000
CMYK	0.35, 0.05, 0.00, 0.00
HSL	188°, 100%, 83%
HSV	188°, 35%, 100%
XYZ	65.8265, 79.4282, 106.4695
YIQ	221.3450, -49.7440, -12.5920

Conversions

Conversions Part 2

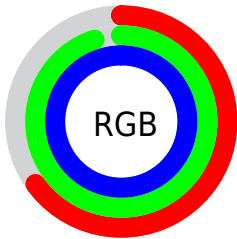
Format	Color
R_{YB}	166, 207, 255
Decimal	10941439
CIE _{Lab}	91.43, -20.68, -13.29
CIE _{LCh}	91, 24.579, 212.735
Yxy	79.4282, 0.2615, 0.3155
Android (android.graphics.Color)	4289131519 (0xFFA6F3FF)
YUV	221.3450, 16.5919, -48.5376
Hunter-Lab	89.1225, -24.1230, -8.4446

Details

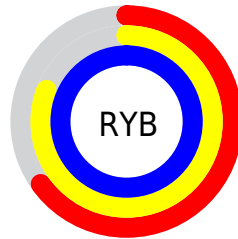
The XYZ color **65.8265, 79.4282, 106.4695** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.0436, 55.8540, 43.4837**, and the grayscale version is **68.8836, 72.4709, 78.9208**.

A 20% lighter version of the original color is **84.5505, 94.5873, 108.4086**, and **34.3938, 42.9329, 59.9002** is the 20% darker color. If you saturate the color by 10%, you get **59.9832, 74.9050, 105.9044**, and if you desaturate by 10%, it is **72.7531, 84.5423, 107.0915**.

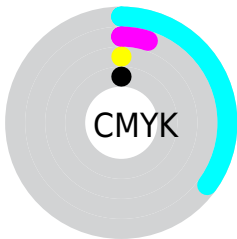
Distribution



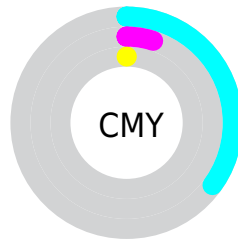
- Red (65%)
- Green (95%)
- Blue (100%)



- Red (65%)
- Yellow (81%)
- Blue (100%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8265, 79.4282, 106.4695 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 65.8265, 79.4282, 106.4695 by changing the saturation by 10% instead.

65.8265, 79.4282,
106.4695

65.8265, 79.4282,
106.4695

435.2546,
493.0037, 602.1642

48.3988, 59.2479,
81.0675

112.2964,
132.5615, 172.1489

34.3553, 42.8127,
60.0659

142.0692,
166.2833, 213.2633

23.3309, 29.7382,
43.0461

176.6878,
205.2878, 260.4522

14.9601, 19.6400,
29.5896

216.5176,
249.9593, 314.1343

8.8775, 12.1336,
19.2779

261.9237,
300.6823, 374.7280

4.7178, 6.8347,
11.6924

313.2717,

2.1157, 3.3590,

357.8411, 442.6518

6.4146

370.9269,
421.8201, 518.3244

■ 0.6977, 1.3219,
3.0259

■ 0.0000, 0.1581,
1.1079

■ 65.8265, 79.4282,
106.4695

■ 65.8265, 79.4282,
106.4695

■ 59.9832, 74.9050,
105.9044

■ 72.7531, 84.5423,
107.0915

■ 55.1537, 70.9310,
105.3919

■ 80.8144, 90.2681,
107.7719

■ 51.2705, 67.4731,
104.9291

■ 90.0662, 96.6366,
108.5135

■ 48.2548, 64.4905,
104.5124

95.0500, 100.0000,
108.9000

■ 46.0152, 61.9360,
104.1373

■ 44.4388, 59.7512,
103.7987

■ 43.8086, 58.7372,
103.6362

Harmonies

Analogous

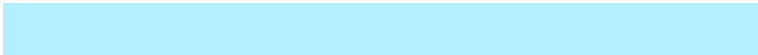
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.1115, 79.4282, 88.1371



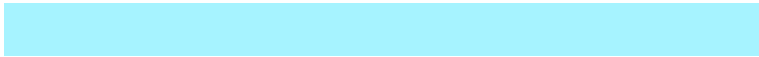
65.8265, 79.4282, 106.4695



70.1197, 79.4282, 120.8398

Triad

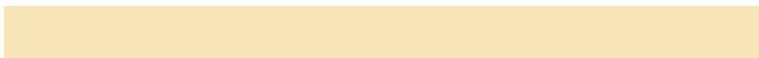
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.8265, 79.4282, 106.4695



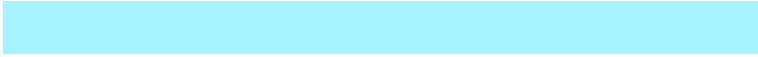
86.6923, 79.4282, 103.2343



74.9219, 79.4282, 56.4507

Complementary

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



65.8265, 79.4282, 106.4695



64.0436, 55.8540, 43.4837

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.



81.1363, 79.4282, 59.3478



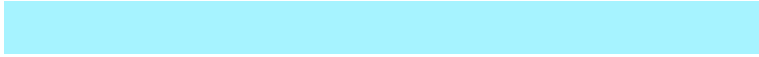
65.8265, 79.4282, 106.4695



88.1500, 79.4282, 84.8513

Square

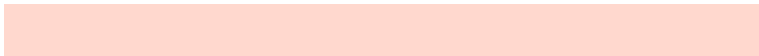
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



65.8265, 79.4282, 106.4695



82.1833, 79.4282, 118.7981



86.0648, 79.4282, 69.1701



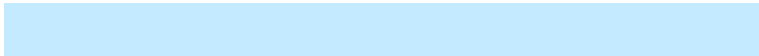
69.1781, 79.4282, 60.6351

Rectangle

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



65.8265, 79.4282, 106.4695



73.9841, 79.4282, 125.3296



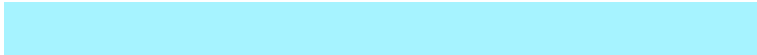
86.0648, 79.4282, 69.1701



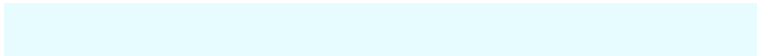
77.0246, 79.4282, 56.6294

Sweetspot

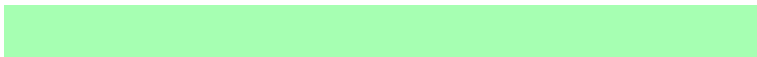
The Sweet Spot groups the original color and five complimentary colors.



65.8286, 79.4312, 106.4700



85.1962, 93.3070, 108.1275



59.5096, 82.8366, 54.9037



17.9602, 19.7816, 23.1216



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.



65.8286, 79.4312, 106.4700



61.5711, 76.1595, 106.0628



54.1165, 56.0069, 102.5659



18.3338, 20.0392, 23.1516



22.9719, 30.8534, 54.1791



2.2920, 3.1147, 5.2937

Inverse Universe

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



71.0553, 55.0052, 91.6695



67.6264, 48.7333, 88.7203



74.3425, 76.4516, 46.9167



18.6811, 18.2558, 22.2039



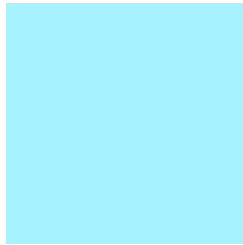
28.3834, 13.8426, 36.9988



2.7915, 1.3590, 3.7494

Previews

White Background



This preview shows how the XYZ color 65.8265, 79.4282, 106.4695 looks on a white background.

Color Contrast Check

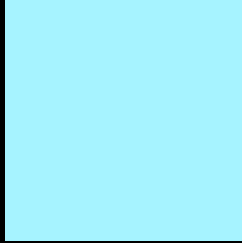
Large Text (above 18pt) WCAG AA × Fail

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 65.8265, 79.4282, 106.4695 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 65.8265, 79.4282, 106.4695

Background



This preview shows how black text looks on a background with the XYZ color 65.8265, 79.4282, 106.4695.

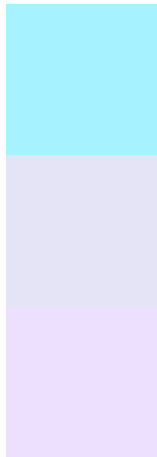


This preview shows how white text looks on a background with the XYZ color 65.8265, 79.4282,

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

65.8265, 79.4282, 106.4695

Protanopia

76.6911, 78.7986, 98.3564

Deuteranopia

79.6307, 78.5358, 105.5697



Tritanopia

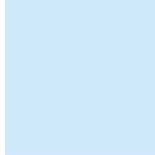
68.4449, 79.0203, 106.2527

Trichromacy



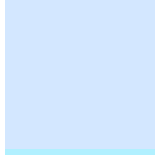
Original Color

65.8265, 79.4282, 106.4695



Protanomaly

71.6914, 78.2392, 100.9457



Deuteranomaly

73.4899, 78.2207, 105.8325



Tritanomaly

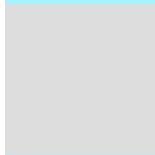
67.3416, 78.8873, 106.2852

Monochromacy



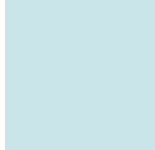
Original Color

65.8265, 79.4282, 106.4695



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.8147, 74.3393, 87.9182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8265, 79.4282, 106.4695 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(166, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 243, 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(166, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 65.8265, 79.4282, 106.4695 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(166, 243, 255) }
```


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

```
.border{ border-color:rgb(166, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8265, 79.4282, 106.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 243, 255) }
```

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

```
.background{ background-color: rgb(166,  
243, 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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