

Converting Colors

XYZ(64.1550, 79.9285,
106.6542)

Have a look what the booklet for
XYZ(64.1550, 79.9285, 106.6542)
contains.

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Color

**XYZ(64.1426, 79.9038,
106.6501)**

Conversions

Conversions Part 1

Format	Color
Hex	99F6FF
RGB	153, 246, 255
RGB Percent	60%, 96%, 100%
CMY	0.4000, 0.0353, 0.0000
CMYK	0.40, 0.04, 0.00, 0.00
HSL	185°, 100%, 80%
HSV	185°, 40%, 100%
XYZ	64.1426, 79.9038, 106.6501
YIQ	219.2190, -58.3170, -16.9170

Conversions

Conversions Part 2

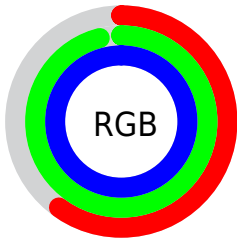
Format	Color
R_{YB}	153, 202, 255
Decimal	10090239
CIE _{Lab}	91.64, -25.40, -13.03
CIE _{LCh}	92, 28.551, 207.163
Yxy	79.9038, 0.2559, 0.3187
Android (android.graphics.Color)	4288280319 (0xFF99F6FF)
YUV	219.2190, 17.6400, -58.0741
Hunter-Lab	89.3889, -28.3448, -8.1668

Details

The XYZ color **64.1426, 79.9038, 106.6501** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **59.9105, 49.4007, 36.5165**, and the grayscale version is **67.3962, 70.9060, 77.2166**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **33.1100, 42.9053, 59.9626** is the 20% darker color. If you saturate the color by 10%, you get **59.1548, 76.3250, 106.2221**, and if you desaturate by 10%, it is **70.1714, 84.0354, 107.1298**.

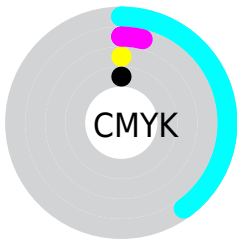
Distribution



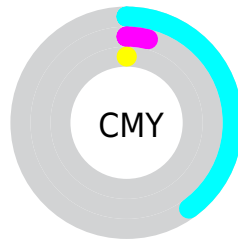
- Red (60%)
- Green (96%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- Blue (100%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.1426, 79.9038, 106.6501 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 64.1426, 79.9038, 106.6501 by changing the saturation by 10% instead.


 64.1426, 79.9038,
106.6501


 64.1426, 79.9038,
106.6501


429.2985,
494.6086, 602.7374

 47.0283, 59.6392,
81.2181


 109.8889,
133.2305, 172.3976

 33.2661, 43.1279,
60.1892


 139.2515,
167.0613, 213.5502

 22.4906, 29.9855,
43.1448

173.4277,
206.1831, 260.7801

 14.3364, 19.8276,
29.6665

212.7827,
250.9800, 314.5058

 8.4383, 12.2698,
19.3357

257.6820,
301.8367, 375.1458

 4.4308, 6.9277,
11.7338

308.4908,

 1.9486, 3.4169,

359.1374, 443.1187

6.4424

365.5745,
423.2666, 518.8431

0.6049, 1.3531,
3.0428

0.0000, 0.1817,
1.1165

64.1426, 79.9038,
106.6501

64.1426, 79.9038,
106.6501

59.1548, 76.3250,
106.2221

70.1714, 84.0354,
107.1298

55.1353, 73.2557,
105.8416

77.2949, 88.7418,
107.6627

52.0125, 70.6609,
105.5053

85.5711, 94.0547,
108.2520

49.7020, 68.4969,
105.2094

95.0500, 100.0000,
108.9000

■ 48.1028, 66.7119,
104.9491

■ 47.0504, 65.2208,
104.7168

■ 47.0503, 65.2205,
104.7168

Harmonies

Analogous

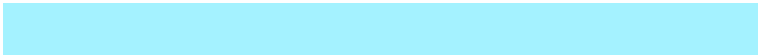
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.7860, 79.9038, 85.0294



64.1426, 79.9038, 106.6501



68.5945, 79.9038, 125.2878

Triad

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



64.1426, 79.9038, 106.6501



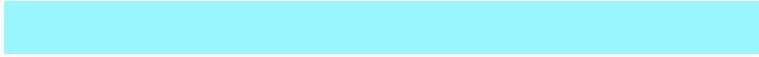
88.3459, 79.9038, 110.6416



76.6422, 79.9038, 52.7441

Complementary

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



64.1426, 79.9038, 106.6501



59.9105, 49.4007, 36.5165

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.



83.8052, 79.9038, 57.4372



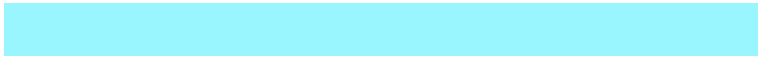
64.1426, 79.9038, 106.6501



90.8276, 79.9038, 89.0042

Square

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



64.1426, 79.9038, 106.6501



82.5283, 79.9038, 127.8393



89.1156, 79.9038, 69.9280



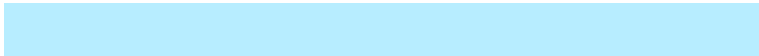
69.7237, 79.9038, 55.9436

Rectangle

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



64.1426, 79.9038, 106.6501



72.8736, 79.9038, 132.3171



89.1156, 79.9038, 69.9280



79.1040, 79.9038, 53.4307

Sweetspot

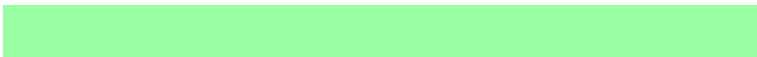
The Sweet Spot groups the original color and five complimentary colors.



64.1447, 79.9068, 106.6505



83.8197, 92.9414, 108.1295



55.3752, 80.8837, 46.6452



17.7017, 19.7407, 23.1273



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.



64.1447, 79.9068, 106.6505



60.0721, 76.9986, 106.3038



50.8156, 53.2485, 102.2075



18.4098, 20.1912, 23.1769



24.6415, 34.1926, 54.7357



2.4378, 3.4063, 5.3423

Inverse Universe

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



69.2671, 50.6980, 93.3271



65.9331, 44.4698, 90.8594



70.6592, 70.8983, 40.0995



18.7195, 18.2711, 22.4060



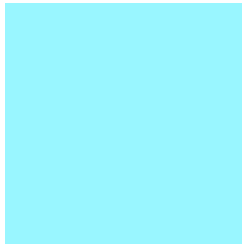
29.2261, 14.1797, 41.4366



2.8651, 1.3884, 4.1370

Previews

White Background



This preview shows how the XYZ color 64.1426, 79.9038, 106.6501 looks on a white background.

Color Contrast Check

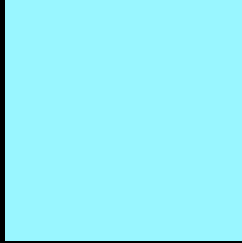
Large Text (above 18pt) WCAG AA × Fail

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 64.1426, 79.9038, 106.6501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

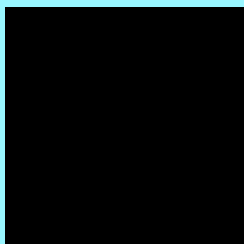
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

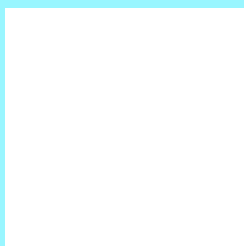
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.1426, 79.9038, 106.6501

Background



This preview shows how black text looks on a background with the XYZ color 64.1426, 79.9038, 106.6501.

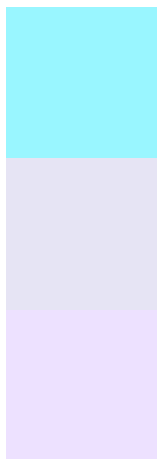


This preview shows how white text looks on a background with the XYZ color 64.1426, 79.9038,

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

64.1426, 79.9038, 106.6501

Protanopia

76.7057, 78.8415, 96.7631

Deuteranopia

79.9003, 79.0750, 105.6595



Tritanopia

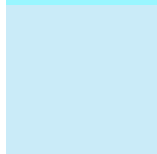
68.2661, 79.3639, 106.3285

Trichromacy



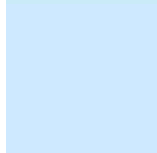
Original Color

64.1426, 79.9038, 106.6501



Protanomaly

71.0087, 78.7505, 100.2647



Deuteranomaly

72.6425, 78.6196, 105.9542



Tritanomaly

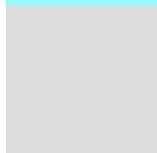
66.5967, 79.3822, 106.4200

Monochromacy



Original Color

64.1426, 79.9038, 106.6501



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.0905, 73.4669, 87.0938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1426, 79.9038, 106.6501 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(153, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 246, 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(153, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 246, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.1426, 79.9038, 106.6501 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(153, 246, 255) }
```


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

```
.border{ border-color:rgb(153, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 246,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1426, 79.9038, 106.6501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 246, 255) }
```

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

```
.background{ background-color: rgb(153,  
246, 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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