

Converting Colors

XYZ(64.4669, 78.3395,
106.3310)

Have a look what the booklet for
XYZ(64.4669, 78.3395, 106.3310)
contains.

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Color

**XYZ(64.5001, 78.3013,
106.3219)**

Conversions

Conversions Part 1

Format	Color
Hex	A1F2FF
RGB	161, 242, 255
RGB Percent	63%, 95%, 100%
CMY	0.3686, 0.0510, 0.0000
CMYK	0.37, 0.05, 0.00, 0.00
HSL	188°, 100%, 82%
HSV	188°, 37%, 100%
XYZ	64.5001, 78.3013, 106.3219
YIQ	219.2630, -52.4490, -13.1290

Conversions

Conversions Part 2

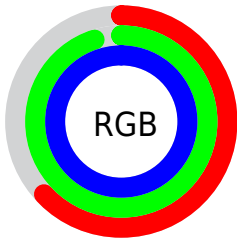
Format	Color
RYB	161, 205, 255
Decimal	10613503
CIELab	90.92, -21.47, -14.08
CIElCh	91, 25.672, 213.260
Yxy	78.3013, 0.2589, 0.3143
Android (android.graphics.Color)	4288803583 (0xFFA1F2FF)
YUV	219.2630, 17.6183, -51.0967
Hunter-Lab	88.4880, -24.7430, -9.2977

Details

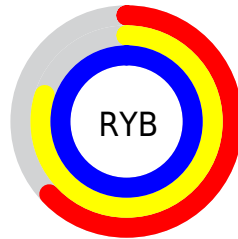
The XYZ color **64.5001, 78.3013, 106.3219** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.8095, 54.1056, 40.8532**, and the grayscale version is **67.4239, 70.9352, 77.2485**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **33.5776, 42.1983, 59.8014** is the 20% darker color. If you saturate the color by 10%, you get **58.8371, 73.8409, 105.7594**, and if you desaturate by 10%, it is **71.2354, 83.3482, 106.9411**.

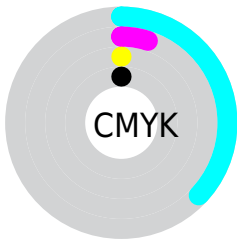
Distribution



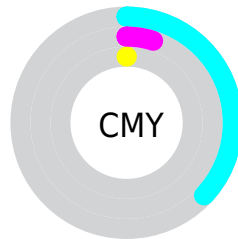
- Red (63%)
- Green (95%)
- Blue (100%)



- Red (63%)
- Yellow (80%)
- Blue (100%)



- Cyan (37%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5001, 78.3013, 106.3219 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 64.5001, 78.3013, 106.3219 by changing the saturation by 10% instead.

64.5001, 78.3013,
106.3219

64.5001, 78.3013,
106.3219

430.5670,
489.1895, 601.6956

47.3190, 58.3215,
80.9444

110.4006,
130.9748, 171.9455

33.4969, 42.0672,
59.9651

139.8507,
164.4373, 213.0287

22.6685, 29.1539,
42.9654

174.1212,
203.1628, 260.1842

14.4682, 19.1973,
29.5268

213.5774,
247.5357, 313.8306

8.5309, 11.8129,
19.2307

258.5848,
297.9404, 374.3864

4.4911, 6.6164,
11.6586

309.5086,

1.9836, 3.2234,

354.7614, 442.2701

6.3919

366.7142,
418.3829, 517.9004

■ 0.6247, 1.2494,
3.0122

■ 0.0000, 0.1015,
1.1009

■ 64.5001, 78.3013,
106.3219

■ 64.5001, 78.3013,
106.3219

■ 58.8371, 73.8409,
105.7594

■ 71.2354, 83.3482,
106.9411

■ 54.1758, 69.9250,
105.2492

■ 79.0955, 89.0033,
107.6183

■ 50.4471, 66.5195,
104.7884

■ 88.1369, 95.2978,
108.3567

■ 47.5703, 63.5827,
104.3732

95.0500, 100.0000,
108.9000

■ 45.4503, 61.0654,
103.9991

■ 43.9672, 58.9056,
103.6603

■ 43.5760, 58.2720,
103.5587

Harmonies

Analogous

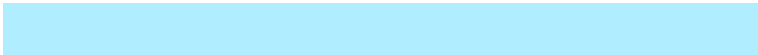
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.6837, 78.3013, 87.2986



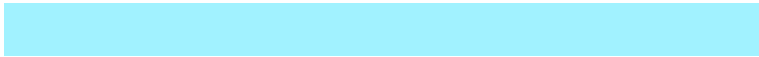
64.5001, 78.3013, 106.3219



68.9661, 78.3013, 121.1871

Triad

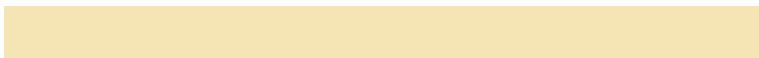
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.5001, 78.3013, 106.3219



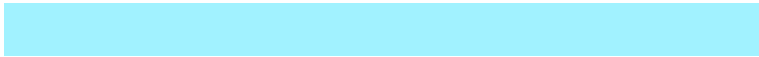
86.0919, 78.3013, 102.3085



73.7180, 78.3013, 54.4105

Complementary

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



64.5001, 78.3013, 106.3219



62.8095, 54.1056, 40.8532

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.



80.1604, 78.3013, 57.2389



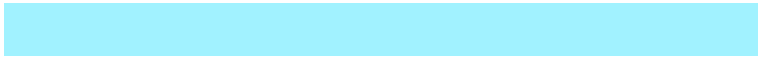
64.5001, 78.3013, 106.3219



87.5435, 78.3013, 83.2471

Square

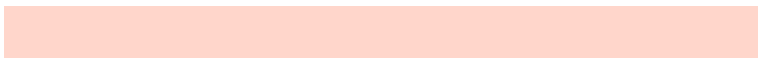
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5001, 78.3013, 106.3219



81.4546, 78.3013, 118.6442



85.3148, 78.3013, 67.1758



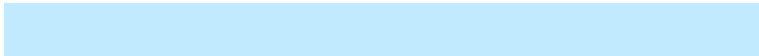
67.8082, 78.3013, 58.8062

Rectangle

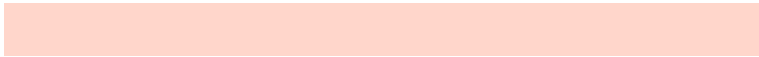
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5001, 78.3013, 106.3219



72.9729, 78.3013, 125.7475



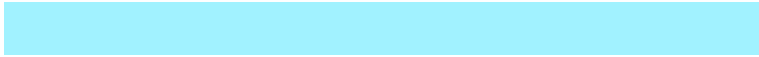
85.3148, 78.3013, 67.1758



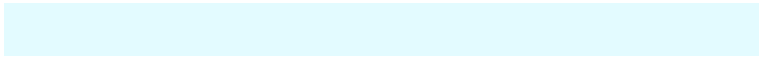
75.8922, 78.3013, 54.5503

Sweetspot

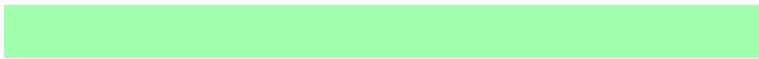
The Sweet Spot groups the original color and five complimentary colors.



64.5022, 78.3043, 106.3224



84.2480, 92.6133, 108.0435



58.0538, 82.1355, 52.6022



17.7696, 19.6401, 23.1043



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.



64.5022, 78.3043, 106.3224



60.3524, 75.0605, 105.9150



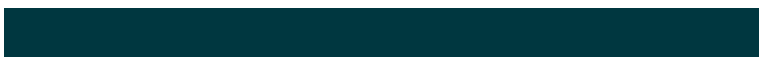
52.3693, 54.0385, 102.2780



18.3281, 20.0279, 23.1497



22.8520, 30.6136, 54.1392



2.2815, 3.0936, 5.2902

Inverse Universe

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



70.0133, 53.1623, 90.5789



66.6846, 47.1058, 87.6169



73.4072, 75.3010, 44.3858



18.6783, 18.2546, 22.1889



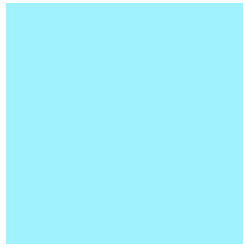
28.3228, 13.8184, 36.6801



2.7862, 1.3568, 3.7214

Previews

White Background



This preview shows how the XYZ color 64.5001, 78.3013, 106.3219 looks on a white background.

Color Contrast Check

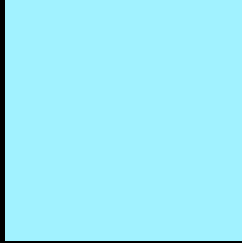
Large Text (above 18pt) WCAG AA × Fail

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 64.5001, 78.3013, 106.3219 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 64.5001, 78.3013, 106.3219

Background



This preview shows how black text looks on a background with the XYZ color 64.5001, 78.3013, 106.3219.

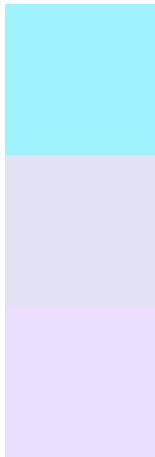


This preview shows how white text looks on a background with the XYZ color 64.5001, 78.3013,

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

64.5001, 78.3013, 106.3219

Protanopia

75.6291, 77.8616, 97.4289

Deuteranopia

78.3694, 77.4878, 105.4339



Tritanopia

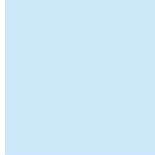
67.0480, 78.3001, 106.1874

Trichromacy



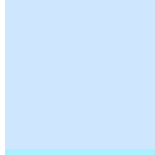
Original Color

64.5001, 78.3013, 106.3219



Protanomaly

70.5841, 77.2493, 100.8130



Deuteranomaly

72.0789, 77.0790, 105.6865



Tritanomaly

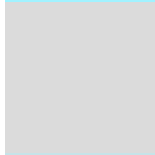
66.0047, 78.1981, 106.2227

Monochromacy



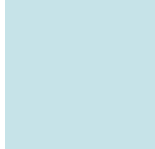
Original Color

64.5001, 78.3013, 106.3219



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.3233, 72.7701, 86.9471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5001, 78.3013, 106.3219 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(161, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 242, 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(161, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.5001, 78.3013, 106.3219 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(161, 242, 255) }
```


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

```
.border{ border-color:rgb(161, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5001, 78.3013, 106.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 242, 255) }
```

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

```
.background{ background-color: rgb(161,  
242, 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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