

Converting Colors

XYZ(64.0077, 77.9126,
106.2183)

Have a look what the booklet for
XYZ(64.0077, 77.9126, 106.2183)
contains.

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Color

**XYZ(64.1002, 78.0952,
106.3032)**

Conversions

Conversions Part 1

Format	Color
Hex	9FF2FF
RGB	159, 242, 255
RGB Percent	62%, 95%, 100%
CMY	0.3765, 0.0510, 0.0000
CMYK	0.38, 0.05, 0.00, 0.00
HSL	188°, 100%, 81%
HSV	188°, 38%, 100%
XYZ	64.1002, 78.0952, 106.3032
YIQ	218.6650, -53.6410, -13.5530

Conversions

Conversions Part 2

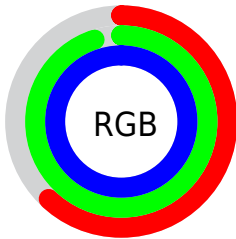
Format	Color
R_{YB}	159, 204, 255
Decimal	10482431
CIE _{Lab}	90.82, -21.97, -14.23
CIE _{LCh}	91, 26.177, 212.929
Yxy	78.0952, 0.2579, 0.3143
Android (android.graphics.Color)	4288672511 (0xFF9FF2FF)
YUV	218.6650, 17.9132, -52.3262
Hunter-Lab	88.3715, -25.1752, -9.4607

Details

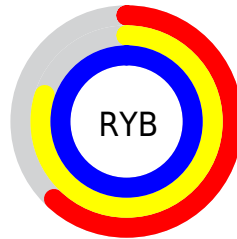
The XYZ color **64.1002, 78.0952, 106.3032** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **62.2509, 53.2683, 39.8036**, and the grayscale version is **67.0083, 70.4979, 76.7722**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **33.2314, 42.0198, 59.7852** is the 20% darker color. If you saturate the color by 10%, you get **58.5382, 73.7188, 105.7516**, and if you desaturate by 10%, it is **70.7288, 83.0540, 106.9110**.

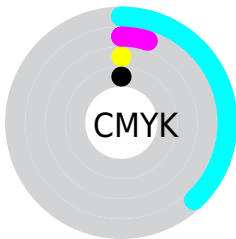
Distribution



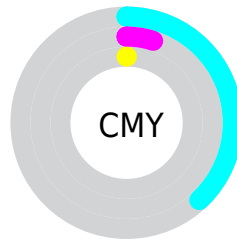
- Red (62%)
- Green (95%)
- Blue (100%)



- Red (62%)
- Yellow (80%)
- Blue (100%)



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.1002, 78.0952, 106.3032 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 64.1002, 78.0952, 106.3032 by changing the saturation by 10% instead.

64.1002, 78.0952,
106.3032

64.1002, 78.0952,
106.3032

429.1479,
488.4901, 601.6362

46.9938, 58.1522,
80.9288

109.8282,
130.6843, 171.9197

33.2387, 41.9310,
59.9523

139.1804,
164.0992, 212.9990

22.4695, 29.0473,
42.9552

173.3454,
202.7735, 260.1503

14.3208, 19.1166,
29.5188

212.6884,
247.0916, 313.7921

8.4273, 11.7546,
19.2247

257.5748,
297.4379, 374.3431

4.4237, 6.5768,
11.6543

308.3699,

1.9445, 3.1989,

354.1969, 442.2218

6.3891

365.4392,
417.7528, 517.8466

0.6025, 1.2364,
3.0105

0.0000, 0.0911,
1.1000

64.1002, 78.0952,
106.3032

64.1002, 78.0952,
106.3032

58.5382, 73.7188,
105.7516

70.7288, 83.0540,
106.9110

53.9718, 69.8823,
105.2518

78.4769, 88.6171,
107.5764

50.3313, 66.5517,
104.8008

87.4014, 94.8157,
108.3024

47.5349, 63.6845,
104.3947

95.0500, 100.0000,
108.9000

■ 45.4863, 61.2311,
104.0291

■ 44.0586, 59.1257,
103.6980

■ 43.7690, 58.6580,
103.6230

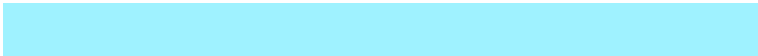
Harmonies

Analogous

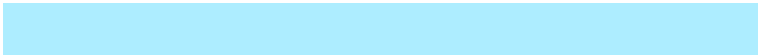
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.2882, 78.0952, 86.8983



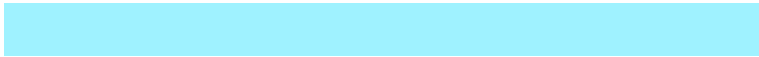
64.1002, 78.0952, 106.3032



68.6135, 78.0952, 121.5749

Triad

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



64.1002, 78.0952, 106.3032



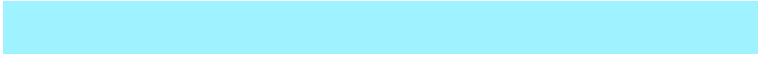
86.0802, 78.0952, 102.6230



73.5822, 78.0952, 53.7196

Complementary

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



64.1002, 78.0952, 106.3032



62.2509, 53.2683, 39.8036

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.



80.1389, 78.0952, 56.6615



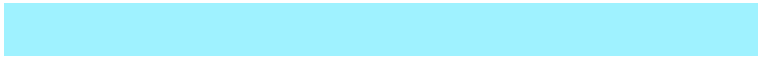
64.1002, 78.0952, 106.3032



87.6018, 78.0952, 83.1934

Square

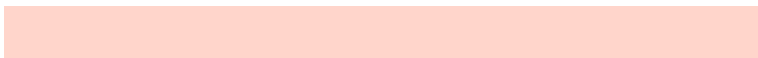
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.1002, 78.0952, 106.3032



81.3238, 78.0952, 119.2390



85.3682, 78.0952, 66.8070



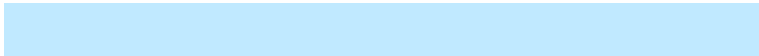
67.5559, 78.0952, 58.0865

Rectangle

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



64.1002, 78.0952, 106.3032



72.6796, 78.0952, 126.3268



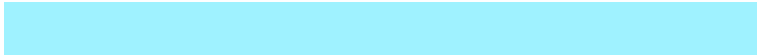
85.3682, 78.0952, 66.8070



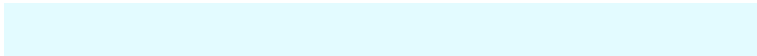
75.7966, 78.0952, 53.8880

Sweetspot

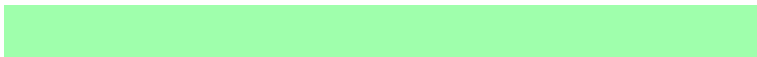
The Sweet Spot groups the original color and five complimentary colors.



64.1023, 78.0982, 106.3036



84.2733, 92.6638, 108.0520



57.4864, 81.8624, 51.7021



17.7756, 19.6522, 23.1063



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.



64.1023, 78.0982, 106.3036



59.9103, 74.8231, 105.8924



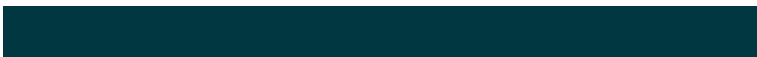
51.6858, 53.2652, 102.1648



18.3328, 20.0372, 23.1513



22.9515, 30.8126, 54.1723



2.2902, 3.1111, 5.2931

Inverse Universe

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



69.6665, 52.4688, 90.4634



66.3035, 46.3489, 87.4739



73.0395, 74.8456, 43.3998



18.6806, 18.2556, 22.2014



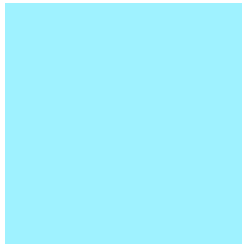
28.3730, 13.8385, 36.9445



2.7906, 1.3586, 3.7446

Previews

White Background



This preview shows how the XYZ color 64.1002, 78.0952, 106.3032 looks on a white background.

Color Contrast Check

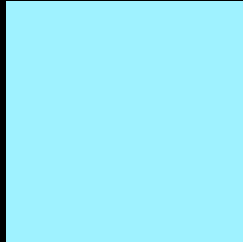
Large Text (above 18pt) WCAG AA × Fail

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 64.1002, 78.0952, 106.3032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

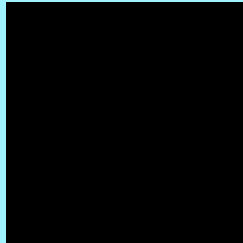
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.1002, 78.0952, 106.3032

Background



This preview shows how black text looks on a background with the XYZ color 64.1002, 78.0952, 106.3032.

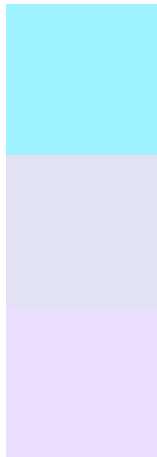


This preview shows how white text looks on a background with the XYZ color 64.1002, 78.0952,

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

64.1002, 78.0952, 106.3032

Protanopia

75.3563, 77.3162, 97.3380

Deuteranopia

78.3694, 77.4878, 105.4339



Tritanopia

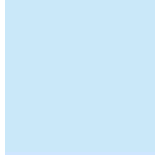
66.5957, 78.0670, 106.1662

Trichromacy



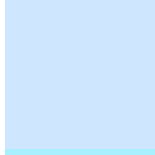
Original Color

64.1002, 78.0952, 106.3032



Protanomaly

70.3126, 77.1093, 100.8003



Deuteranomaly

72.0789, 77.0790, 105.6865



Tritanomaly

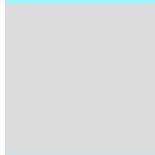
65.5723, 77.9752, 106.2024

Monochromacy



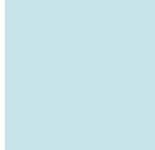
Original Color

64.1002, 78.0952, 106.3032



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

65.0605, 72.6347, 86.9348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.1002, 78.0952, 106.3032 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(159, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.1002, 78.0952, 106.3032 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(159, 242, 255) }
```


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

```
.border{ border-color:rgb(159, 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(159, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.1002, 78.0952, 106.3032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 242, 255) }
```

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

```
.background{ background-color: rgb(159,  
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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