

Converting Colors

XYZ(64.1932, 77.7921,
106.2398)

Have a look what the booklet for
XYZ(64.1932, 77.7921, 106.2398)
contains.

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Color

**XYZ(64.2032, 77.7077,
106.2230)**

Conversions

Conversions Part 1

Format	Color
Hex	A1F1FF
RGB	161, 241, 255
RGB Percent	63%, 95%, 100%
CMY	0.3686, 0.0549, 0.0000
CMYK	0.37, 0.05, 0.00, 0.00
HSL	189°, 100%, 82%
HSV	189°, 37%, 100%
XYZ	64.2032, 77.7077, 106.2230
YIQ	218.6760, -52.1740, -12.6060

Conversions

Conversions Part 2

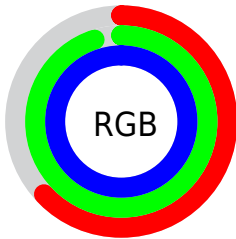
Format	Color
R_{YB}	161, 204, 255
Decimal	10613247
CIE _{Lab}	90.65, -20.97, -14.48
CIE _{LCh}	91, 25.490, 214.629
Yxy	77.7077, 0.2587, 0.3132
Android (android.graphics.Color)	4288803327 (0xFFA1F1FF)
YUV	218.6760, 17.9077, -50.5819
Hunter-Lab	88.1520, -24.2601, -9.7380

Details

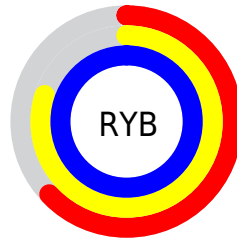
The XYZ color **64.2032, 77.7077, 106.2230** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.0032, 54.4930, 40.9175**, and the grayscale version is **67.0151, 70.5051, 76.7801**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **33.3677, 41.7784, 59.7315** is the 20% darker color. If you saturate the color by 10%, you get **58.4672, 73.1014, 105.6362**, and if you desaturate by 10%, it is **71.0146, 82.9069, 106.8675**.

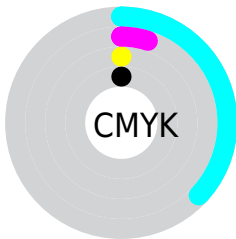
Distribution



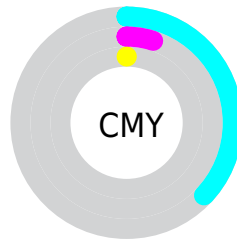
- Red (63%)
- Green (95%)
- Blue (100%)



- 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 64.2032, 77.7077, 106.2230 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 64.2032, 77.7077, 106.2230 by changing the saturation by 10% instead.

64.2032, 77.7077,
106.2230

64.2032, 77.7077,
106.2230

429.5137,
487.1736, 601.3815

47.0776, 57.8339,
80.8620

109.9756,
130.1380, 171.8092

33.3052, 41.6751,
59.8976

139.3531,
163.4633, 212.8715

22.5207, 28.8470,
42.9113

173.5453,
202.0411, 260.0046

14.3587, 18.9651,
29.4847

212.9175,
246.2560, 313.6271

8.4540, 11.6451,
19.1990

257.8351,
296.4923, 374.1575

4.4410, 6.5025,
11.6359

308.6634,

1.9545, 3.1530,

353.1344, 442.0143

6.3768

365.7678,
416.5667, 517.6161

■ 0.6082, 1.2121,
3.0030

■ 0.0000, 0.0716,
1.0962

■ 64.2032, 77.7077,
106.2230

■ 64.2032, 77.7077,
106.2230

■ 58.4672, 73.1014,
105.6362

■ 71.0146, 82.9069,
106.8675

■ 53.7362, 69.0459,
105.1027

■ 78.9540, 88.7207,
107.5712

■ 49.9409, 65.5071,
104.6197

■ 88.0780, 95.1804,
108.3372

■ 47.0005, 62.4432,
104.1833

95.0500, 100.0000,
108.9000

■ 44.8201, 59.8050,
103.7890

■ 43.2796, 57.5304,
103.4311

■ 42.8710, 56.8621,
103.3237

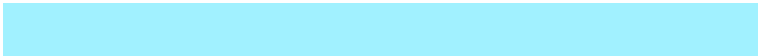
Harmonies

Analogous

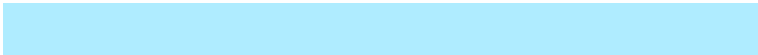
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.2768, 77.7077, 87.4824



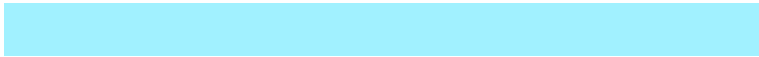
64.2032, 77.7077, 106.2230



68.7185, 77.7077, 120.5532

Triad

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



64.2032, 77.7077, 106.2230



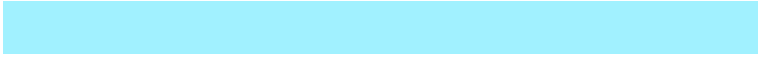
85.5259, 77.7077, 100.6007



72.8716, 77.7077, 54.1605

Complementary

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



64.2032, 77.7077, 106.2230



63.0032, 54.4930, 40.9175

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.



79.2493, 77.7077, 56.6326



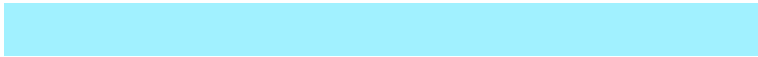
64.2032, 77.7077, 106.2230



86.7946, 77.7077, 81.8021

Square

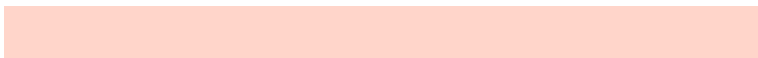
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



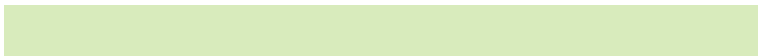
64.2032, 77.7077, 106.2230



81.0632, 77.7077, 116.9928



84.4370, 77.7077, 66.1484



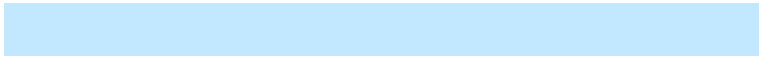
67.0945, 77.7077, 58.8336

Rectangle

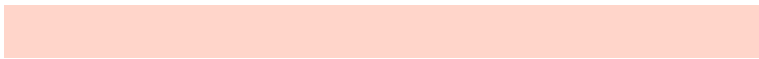
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.2032, 77.7077, 106.2230



72.7148, 77.7077, 124.7013



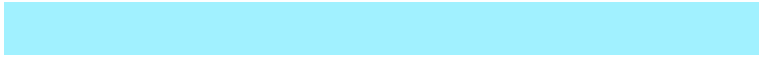
84.4370, 77.7077, 66.1484



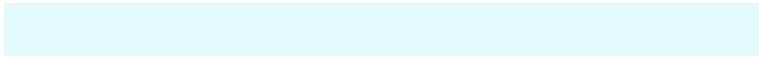
75.0148, 77.7077, 54.1900

Sweetspot

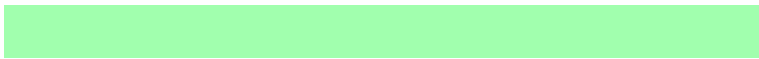
The Sweet Spot groups the original color and five complimentary colors.



64.2053, 77.7106, 106.2234



84.1548, 92.4269, 108.0125



58.0536, 82.1354, 52.6019



17.7472, 19.5954, 23.0969



0.0000, 0.0000, 0.0000



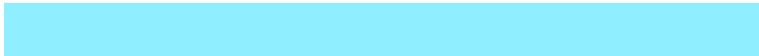
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2053, 77.7106, 106.2234



60.0033, 74.3622, 105.7986



52.3691, 54.0382, 102.2780



18.3108, 19.9933, 23.1440



22.4886, 29.8867, 54.0180



2.2495, 3.0297, 5.2795

Inverse Universe

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



69.8634, 53.1022, 89.7901



66.5083, 47.0353, 86.6889



73.4071, 75.3009, 44.3855



18.6695, 18.2511, 22.1430



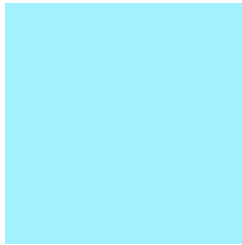
28.1394, 13.7450, 35.7141



2.7701, 1.3504, 3.6365

Previews

White Background



This preview shows how the XYZ color 64.2032, 77.7077, 106.2230 looks on a white background.

Color Contrast Check

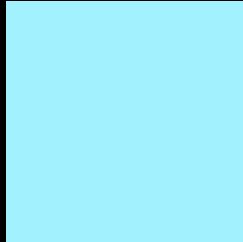
Large Text (above 18pt) WCAG AA × Fail

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 64.2032, 77.7077, 106.2230 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 64.2032, 77.7077, 106.2230

Background



This preview shows how black text looks on a background with the XYZ color 64.2032, 77.7077, 106.2230.

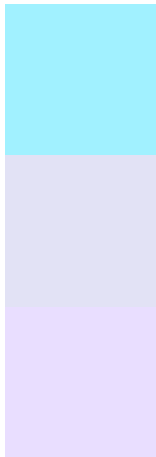


This preview shows how white text looks on a background with the XYZ color 64.2032, 77.7077,

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

64.2032, 77.7077, 106.2230

Protanopia

75.0418, 77.1540, 97.3233

Deuteranopia

77.7755, 76.7862, 105.3297



Tritanopia

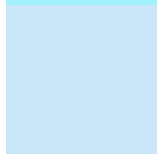
66.0801, 77.3677, 106.0584

Trichromacy



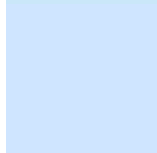
Original Color

64.2032, 77.7077, 106.2230



Protanomaly

70.0319, 76.5479, 100.7067



Deuteranomaly

71.8014, 76.5240, 105.5940



Tritanomaly

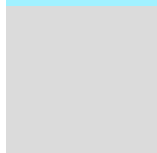
65.2787, 77.3880, 106.1046

Monochromacy



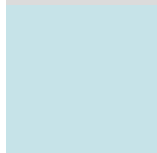
Original Color

64.2032, 77.7077, 106.2230



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 64.2032, 77.7077, 106.2230 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 241, 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, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 64.2032, 77.7077, 106.2230 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, 241, 255) }
```


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

```
.border{ border-color:rgb(161, 241, 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, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2032, 77.7077, 106.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 241, 255) }
```

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

```
.background{ background-color: rgb(161,  
241, 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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