

Converting Colors

XYZ(62.7765, 77.1715,
106.1947)

Have a look what the booklet for
XYZ(62.7765, 77.1715, 106.1947)
contains.

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Color

**XYZ(62.6422, 76.9029,
106.1499)**

Conversions

Conversions Part 1

Format	Color
Hex	99F1FF
RGB	153, 241, 255
RGB Percent	60%, 95%, 100%
CMY	0.4000, 0.0549, 0.0000
CMYK	0.40, 0.05, 0.00, 0.00
HSL	188°, 100%, 80%
HSV	188°, 40%, 100%
XYZ	62.6422, 76.9029, 106.1499
YIQ	216.2840, -56.9420, -14.3020

Conversions

Conversions Part 2

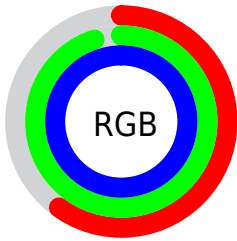
Format	Color
RYB	153, 200, 255
Decimal	10088959
CIELab	90.28, -22.97, -15.08
CIELCh	90, 27.473, 213.283
Yxy	76.9029, 0.2550, 0.3130
Android (android.graphics.Color)	4288279039 (0xFF99F1FF)
YUV	216.2840, 19.0870, -55.5001
Hunter-Lab	87.6943, -25.9581, -10.3818

Details

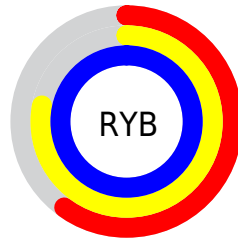
The XYZ color **62.6422, 76.9029, 106.1499** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.8090, 51.1977, 36.8162**, and the grayscale version is **65.3674, 68.7716, 74.8923**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **32.3659, 41.2619, 59.6846** is the 20% darker color. If you saturate the color by 10%, you get **57.3084, 72.6321, 105.6067**, and if you desaturate by 10%, it is **69.0285, 81.7494, 106.7488**.

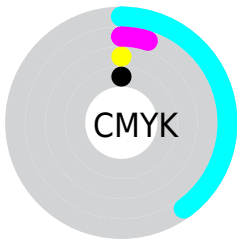
Distribution



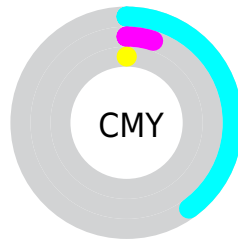
- Red (60%)
- Green (95%)
- Blue (100%)



- Red (60%)
- Yellow (78%)
- Blue (100%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 62.6422, 76.9029, 106.1499 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 62.6422, 76.9029, 106.1499 by changing the saturation by 10% instead.

62.6422, 76.9029,
106.1499

62.6422, 76.9029,
106.1499

423.9501,
484.4329, 601.1493

45.8094, 57.1732,
80.8010

107.7379,
129.0024, 171.7085

32.2994, 41.1443,
59.8477

136.7314,
162.1410, 212.7553

21.7469, 28.4319,
42.8714

170.5092,
200.5180, 259.8719

13.7866, 18.6515,
29.4536

209.4367,
244.5178, 313.4766

8.0531, 11.4187,
19.1757

253.8792,
294.5248, 373.9882

4.1811, 6.3492,
11.6192

304.2020,

1.8051, 3.0586,

350.9234, 441.8252

6.3656

360.7705,
414.0979, 517.4060

■ 0.5207, 1.1624,
2.9963

■ 0.0000, 0.0307,
1.0927

■ 62.6422, 76.9029,
106.1499

■ 62.6422, 76.9029,
106.1499

■ 57.3084, 72.6321,
105.6067

■ 69.0285, 81.7494,
106.7488

■ 52.9545, 68.8940,
105.1146

■ 76.5213, 87.1943,
107.4048

■ 49.5088, 65.6533,
104.6707

■ 85.1785, 93.2693,
108.1211

■ 46.8866, 62.8663,
104.2710

95.0500, 100.0000,
108.9000

■ 44.9872, 60.4806,
103.9106

■ 43.6457, 58.4113,
103.5819

■ 43.6455, 58.4110,
103.5818

Harmonies

Analogous

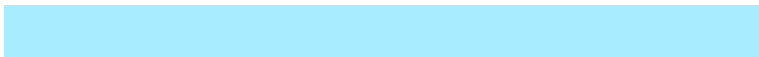
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.7351, 76.9029, 85.9097



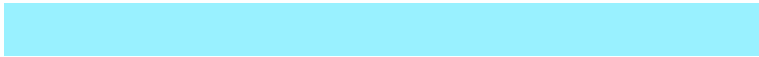
62.6422, 76.9029, 106.1499



67.3395, 76.9029, 122.0827

Triad

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



62.6422, 76.9029, 106.1499



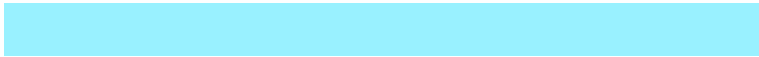
85.4812, 76.9029, 101.8337



72.3433, 76.9029, 51.4806

Complementary

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



62.6422, 76.9029, 106.1499



60.8090, 51.1977, 36.8162

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.



79.1671, 76.9029, 54.3966



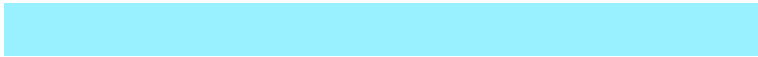
62.6422, 76.9029, 106.1499



87.0249, 76.9029, 81.5957

Square

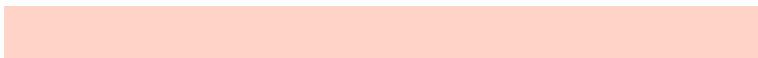
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.6422, 76.9029, 106.1499



80.5509, 76.9029, 119.3303



84.6479, 76.9029, 64.7196



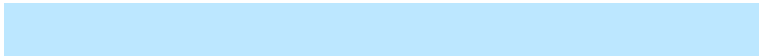
66.1120, 76.9029, 56.0306

Rectangle

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



62.6422, 76.9029, 106.1499



71.5665, 76.9029, 126.9846



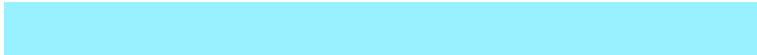
84.6479, 76.9029, 64.7196



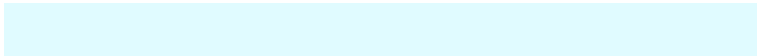
74.6429, 76.9029, 51.6229

Sweetspot

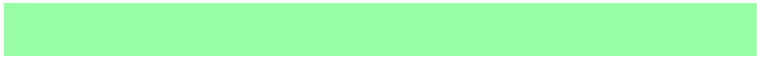
The Sweet Spot groups the original color and five complimentary colors.



62.6443, 76.9058, 106.1503



83.3497, 92.0014, 107.9728



55.8363, 81.0682, 49.0725



17.5904, 19.5180, 23.0902



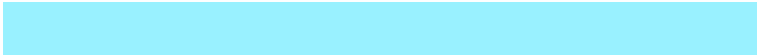
0.0000, 0.0000, 0.0000



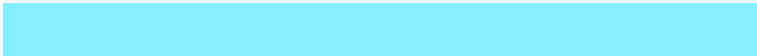
20.3446, 21.4041, 23.3091

Same Dimension

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



62.6443, 76.9058, 106.1503



58.2938, 73.4421, 105.7111



49.6886, 50.9945, 101.8318



18.3298, 20.0312, 23.1503



22.8878, 30.6852, 54.1511



2.2846, 3.0999, 5.2912

Inverse Universe

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



68.5098, 50.3951, 89.3387



65.0355, 44.1108, 86.1328



71.9584, 73.4966, 40.5327



18.6791, 18.2550, 22.1934



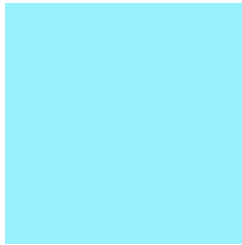
28.3409, 13.8257, 36.7753



2.7878, 1.3575, 3.7298

Previews

White Background



This preview shows how the XYZ color 62.6422, 76.9029, 106.1499 looks on a white background.

Color Contrast Check

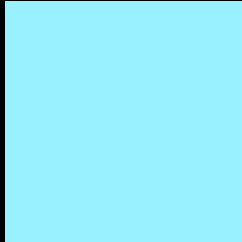
Large Text (above 18pt) WCAG AA × Fail

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 62.6422, 76.9029, 106.1499 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 62.6422, 76.9029, 106.1499

Background



This preview shows how black text looks on a background with the XYZ color 62.6422, 76.9029, 106.1499.

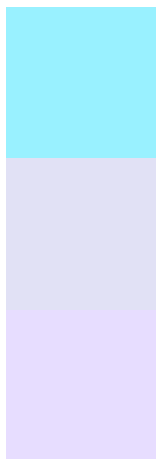


This preview shows how white text looks on a background with the XYZ color 62.6422, 76.9029,

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

62.6422, 76.9029, 106.1499

Protanopia

74.4580, 76.4506, 97.2183

Deuteranopia

76.8614, 75.9218, 105.2111



Tritanopia

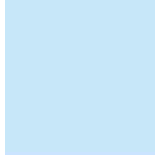
64.5609, 76.5846, 105.9873

Trichromacy



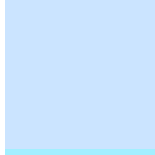
Original Color

62.6422, 76.9029, 106.1499



Protanomaly

69.2280, 76.1335, 100.6691



Deuteranomaly

70.4220, 75.4033, 105.4504



Tritanomaly

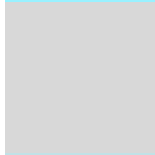
63.8168, 76.6344, 106.0362

Monochromacy



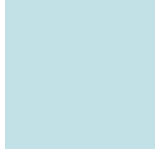
Original Color

62.6422, 76.9029, 106.1499



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

63.2005, 70.9011, 85.2172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.6422, 76.9029, 106.1499 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, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.6422, 76.9029, 106.1499 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, 241, 255) }
```


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

```
.border{ border-color:rgb(153, 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(153, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.6422, 76.9029, 106.1499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 241, 255) }
```

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

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