

Converting Colors

XYZ(66.8402, 78.8462,
126.9969)

Have a look what the booklet for
XYZ(66.8402, 78.8462, 126.9969)
contains.

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Color

**XYZ(62.9390, 77.4966,
106.2488)**

Conversions

Conversions Part 1

Format	Color
Hex	99F2FF
RGB	153, 242, 255
RGB Percent	60%, 95%, 100%
CMY	0.4000, 0.0510, 0.0000
CMYK	0.40, 0.05, 0.00, 0.00
HSL	188°, 100%, 80%
HSV	188°, 40%, 100%
XYZ	62.9390, 77.4966, 106.2488
YIQ	216.8710, -57.2170, -14.8250

Conversions

Conversions Part 2

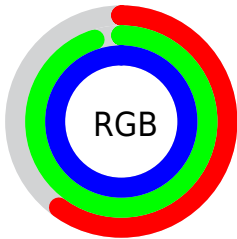
Format	Color
RYB	153, 201, 255
Decimal	10089215
CIELab	90.55, -23.46, -14.67
CIELCh	91, 27.664, 212.019
Yxy	77.4966, 0.2551, 0.3142
Android (android.graphics.Color)	4288279295 (0xFF99F2FF)
YUV	216.8710, 18.7976, -56.0149
Hunter-Lab	88.0322, -26.4369, -9.9365

Details

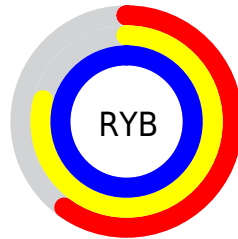
The XYZ color **62.9390, 77.4966, 106.2488** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.6264, 50.8325, 36.7552**, and the grayscale version is **65.7703, 69.1955, 75.3539**.

A 20% lighter version of the original color is **80.6740, 92.5889, 108.2272**, and **32.4713, 41.6279, 59.7497** is the 20% darker color. If you saturate the color by 10%, you get **57.6726, 73.3606, 105.7281**, and if you desaturate by 10%, it is **69.2552, 82.2030, 106.8244**.

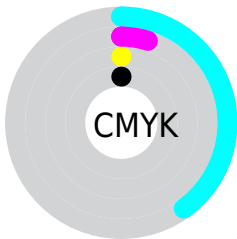
Distribution



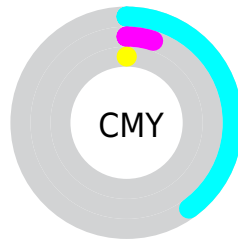
- Red (60%)
- Green (95%)
- Blue (100%)



- Red (60%)
- Yellow (79%)
- 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 62.9390, 77.4966, 106.2488 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 62.9390, 77.4966, 106.2488 by changing the saturation by 10% instead.


 62.9390, 77.4966,
106.2488


 62.9390, 77.4966,
106.2488


425.0113,
486.4555, 601.4634

 46.0503, 57.6605,
80.8835


 108.1638,
129.8402, 171.8448

 32.4903, 41.5358,
59.9152

 137.2307,
163.1166, 212.9125

 21.8937, 28.7380,
42.9254

171.0876,
201.6419, 260.0515

 13.8949, 18.8827,
29.4956

210.1000,
245.8005, 313.6802

 8.1288, 11.5856,
19.2073

254.6332,
295.9767, 374.2172

 4.2300, 6.4621,
11.6418

305.0526,

 1.8331, 3.1281,

352.5550, 442.0811

6.3807

361.7235,
415.9199, 517.6903

■ 0.5375, 1.1990,
3.0054

■ 0.0000, 0.0609,
1.0974

■ 62.9390, 77.4966,
106.2488

■ 62.9390, 77.4966,
106.2488

■ 57.6726, 73.3606,
105.7281

■ 69.2552, 82.2030,
106.8244

■ 53.3834, 69.7519,
105.2576

■ 76.6751, 87.5021,
107.4561

■ 49.9997, 66.6353,
104.8344

■ 85.2567, 93.4259,
108.1472

■ 47.4370, 63.9669,
104.4544

95.0500, 100.0000,
108.9000

■ 45.5943, 61.6948,
104.1130

■ 44.3069, 59.7338,
103.8023

■ 44.3067, 59.7335,
103.8022

Harmonies

Analogous

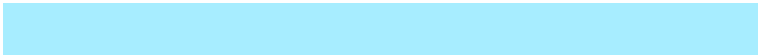
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.1405, 77.4966, 85.7306



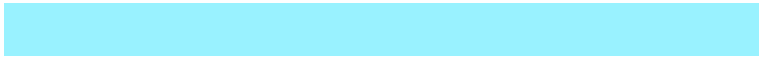
62.9390, 77.4966, 106.2488



67.5879, 77.4966, 122.7205

Triad

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



62.9390, 77.4966, 106.2488



86.0492, 77.4966, 103.5597



73.1903, 77.4966, 51.7294

Complementary

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



62.9390, 77.4966, 106.2488



60.6264, 50.8325, 36.7552

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.



80.0815, 77.4966, 54.9946



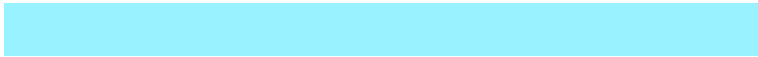
62.9390, 77.4966, 106.2488



87.7775, 77.4966, 83.0449

Square

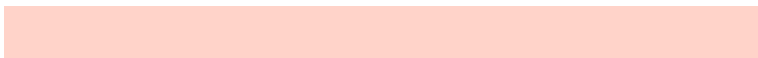
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.9390, 77.4966, 106.2488



80.9433, 77.4966, 121.0048



85.5302, 77.4966, 65.7399



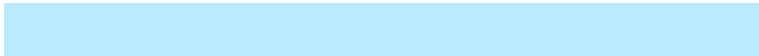
66.8239, 77.4966, 56.0102

Rectangle

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



62.9390, 77.4966, 106.2488



71.8254, 77.4966, 128.0419



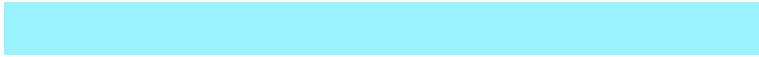
85.5302, 77.4966, 65.7399



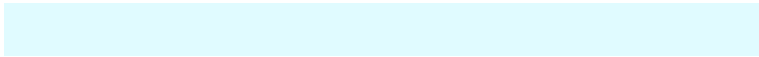
75.5219, 77.4966, 51.9792

Sweetspot

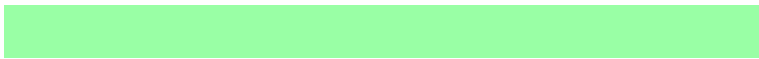
The Sweet Spot groups the original color and five complimentary colors.



62.9411, 77.4995, 106.2493



83.4434, 92.1888, 108.0040



55.6805, 81.0058, 48.2525



17.6126, 19.5624, 23.0976



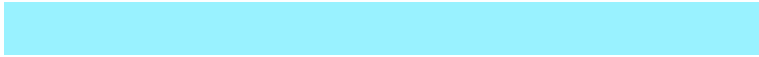
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



62.9411, 77.4995, 106.2493



58.6449, 74.1441, 105.8281



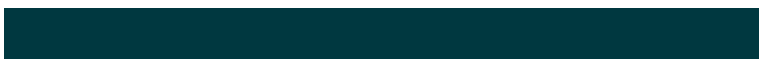
50.0599, 51.7371, 101.9556



18.3458, 20.0632, 23.1556



23.2286, 31.3668, 54.2647



2.3145, 3.1597, 5.3012

Inverse Universe

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



68.6596, 50.4550, 90.1278



65.2127, 44.1817, 87.0658



71.5208, 72.6214, 40.3867



18.6872, 18.2582, 22.2358



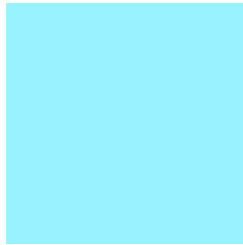
28.5129, 13.8945, 37.6811



2.8029, 1.3635, 3.8092

Previews

White Background



This preview shows how the XYZ color 62.9390, 77.4966, 106.2488 looks on a white background.

Color Contrast Check

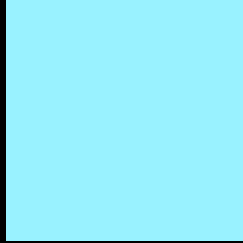
Large Text (above 18pt) WCAG AA × Fail

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 62.9390, 77.4966, 106.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

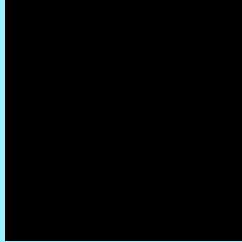
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.9390, 77.4966, 106.2488

Background



This preview shows how black text looks on a background with the XYZ color 62.9390, 77.4966, 106.2488.

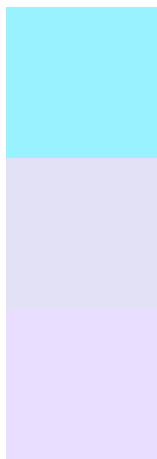


This preview shows how white text looks on a background with the XYZ color 62.9390, 77.4966,

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

62.9390, 77.4966, 106.2488

Protanopia

74.7707, 76.6118, 97.2329

Deuteranopia

77.7755, 76.7862, 105.3297



Tritanopia

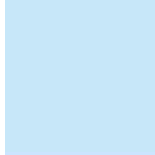
65.4941, 77.4991, 106.1147

Trichromacy



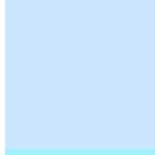
Original Color

62.9390, 77.4966, 106.2488



Protanomaly

69.2280, 76.1335, 100.6691



Deuteranomaly

70.9712, 76.0960, 105.5552



Tritanomaly

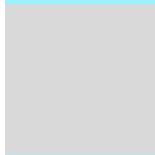
64.5199, 77.4327, 106.1532

Monochromacy



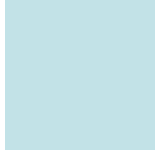
Original Color

62.9390, 77.4966, 106.2488



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

63.8683, 71.6316, 86.0614

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9390, 77.4966, 106.2488 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 62.9390, 77.4966, 106.2488 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, 242, 255) }
```


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

```
.border{ border-color:rgb(153, 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(153, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9390, 77.4966, 106.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 242, 255) }
```

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

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