

# Converting Colors

XYZ(64.8783, 78.2011,  
132.9894)

Have a look what the booklet for  
XYZ(64.8783, 78.2011, 132.9894)  
contains.

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# Color

**XYZ(59.9321, 76.3895,  
106.1936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86F3FF
RGB	134, 243, 255
RGB Percent	53%, 95%, 100%
CMY	0.4745, 0.0470, 0.0000
CMYK	0.47, 0.05, 0.00, 0.00
HSL	186°, 100%, 76%
HSV	186°, 47%, 100%
XYZ	59.9321, 76.3895, 106.1936
YIQ	211.7770, -68.8160, -19.3760

# Conversions

## Conversions Part 2

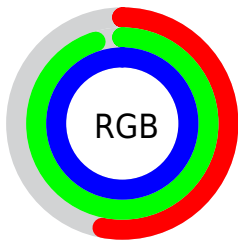
Format	Color
<a href="#">RYB</a>	<a href="#">134, 191, 255</a>
Decimal	<a href="#">8844287</a>
CIELab	<a href="#">90.04, -28.31, -15.51</a>
CIElCh	<a href="#">90, 32.283, 208.718</a>
Yxy	<a href="#">76.3895, 0.2471, 0.3150</a>
Android (android.graphics.Color)	<a href="#">4287034367</a> ( <a href="#">0xFF86F3FF</a> )
YUV	<a href="#">211.7770, 21.3089, -68.2104</a>
Hunter-Lab	<a href="#">87.4011, -30.5521, -10.8575</a>

# Details

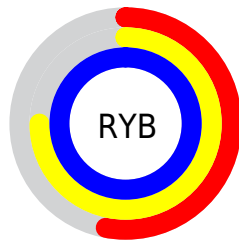
The XYZ color **59.9321, 76.3895, 106.1936** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.8226, 43.5396, 28.0181**, and the grayscale version is **62.3290, 65.5749, 71.4111**.

A 20% lighter version of the original color is **76.0581, 90.2093, 108.0112**, and **30.6359, 40.9956, 59.7243** is the 20% darker color. If you saturate the color by 10%, you get **55.5963, 73.0406, 105.7758**, and if you desaturate by 10%, it is **65.2622, 80.2700, 106.6617**.

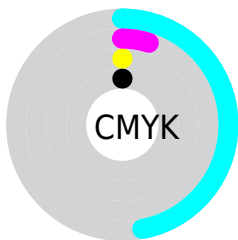
# Distribution



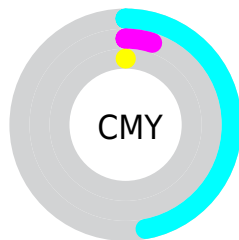
- Red (53%)
- Green (95%)
- Blue (100%)



- Red (53%)
- Yellow (75%)
- Blue (100%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9321, 76.3895, 106.1936 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 59.9321, 76.3895, 106.1936 by changing the saturation by 10% instead.



59.9321, 76.3895,  
106.1936

59.9321, 76.3895,  
106.1936

414.1862,  
482.6800, 601.2881

43.6132, 56.7520,  
80.8374

103.8381,  
128.2773, 171.7687

30.5631, 40.8061,  
59.8775

132.1558,  
161.2964, 212.8248

20.4166, 28.1676,  
42.8953

165.2039,  
199.5448, 259.9512

12.8082, 18.4521,  
29.4722

203.3476,  
243.4069, 313.5666

7.3727, 11.2750,  
19.1896

246.9523,  
293.2670, 374.0894

3.7447, 6.2521,  
11.6292

296.3834,

1.5587, 2.9990,

349.5097, 441.9383

6.3723

352.0063,  
412.5192, 517.5316

■ 0.3653, 1.1312,  
3.0003

■ 0.0000, 0.0044,  
1.0948

■ 59.9321, 76.3895,  
106.1936

■ 59.9321, 76.3895,  
106.1936

■ 55.5963, 73.0406,  
105.7758

■ 65.2622, 80.2700,  
106.6617

■ 52.1770, 70.1778,  
105.4034

■ 71.6449, 84.7069,  
107.1817

■ 49.5948, 67.7619,  
105.0732

■ 79.1413, 89.7335,  
107.7569

■ 47.7539, 65.7434,  
104.7806

■ 87.8061, 95.3781,  
108.3897

■ 46.5294, 64.0578, 95.0500, 100.0000,  
104.5198 108.9000

■ 46.2684, 63.6568,  
104.4561

# Harmonies

## Analogous

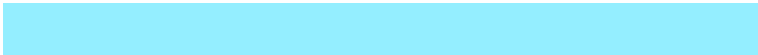
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.2856, 76.3895, 82.1934



59.9321, 76.3895, 106.1936



64.9068, 76.3895, 126.7989

# Triad

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



59.9321, 76.3895, 106.1936



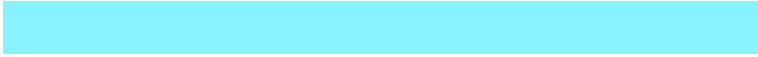
86.5637, 76.3895, 108.2154



72.9506, 76.3895, 46.4441

# Complementary

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



59.9321, 76.3895, 106.1936



55.8226, 43.5396, 28.0181

# 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.



80.8910, 76.3895, 50.9164



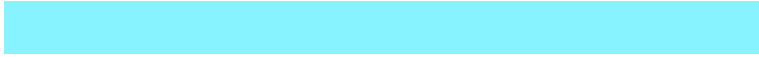
59.9321, 76.3895, 106.1936



89.0985, 76.3895, 84.1647

# Square

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



59.9321, 76.3895, 106.1936



80.2521, 76.3895, 128.1090



86.9513, 76.3895, 63.7494



65.4616, 76.3895, 50.2091

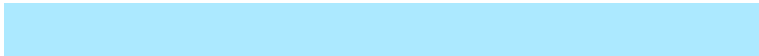


# Rectangle

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



59.9321, 76.3895, 106.1936



69.6375, 76.3895, 134.2989



86.9513, 76.3895, 63.7494



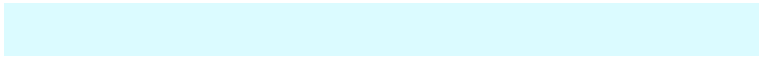
75.6575, 76.3895, 47.0163

# Sweetspot

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



59.9342, 76.3923, 106.1941



81.9950, 91.6091, 107.9685



50.6332, 78.6051, 38.9247



17.1647, 19.3551, 23.0812



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

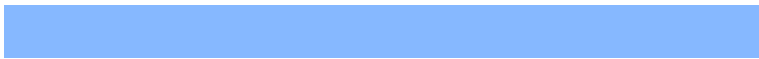
The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.9342, 76.3923, 106.1941



55.7708, 73.1803, 105.7935



45.1102, 46.7445, 101.2528



18.3919, 20.1554, 23.1710



24.2390, 33.3876, 54.6015



2.4028, 3.3362, 5.3306



# Inverse Universe

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



65.9441, 44.7830, 89.9655



62.5941, 38.6628, 87.0613



67.2758, 66.4460, 31.8358



18.7105, 18.2675, 22.3584



29.0229, 14.0985, 40.3667

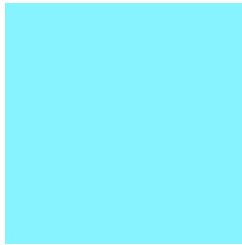


2.8474, 1.3813, 4.0439



# Previews

## White Background



This preview shows how the XYZ color 59.9321, 76.3895, 106.1936 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

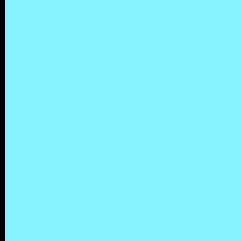
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.9321, 76.3895, 106.1936 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 59.9321, 76.3895, 106.1936

## Background



This preview shows how black text looks on a background with the XYZ color 59.9321, 76.3895, 106.1936.



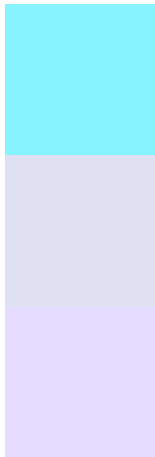
This preview shows how white text looks on a background with the XYZ color 59.9321, 76.3895,



# 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

59.9321, 76.3895, 106.1936

### Protanopia

73.5738, 75.6297, 95.5143

### Deuteranopia

76.2763, 75.2294, 105.1083



## Tritanopia

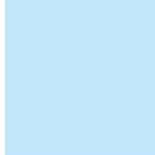
63.0171, 76.2221, 105.9987

# Trichromacy



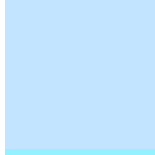
## Original Color

59.9321, 76.3895, 106.1936



## Protanomaly

66.8503, 74.9436, 98.9379



## Deuteranomaly

68.2991, 74.3089, 105.3510



## Tritanomaly

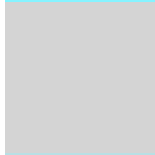
61.6045, 75.9297, 106.0167

# Monochromacy



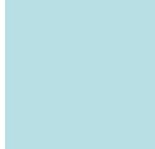
## Original Color

59.9321, 76.3895, 106.1936



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

60.1584, 68.5671, 83.4629

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.9321, 76.3895, 106.1936 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(134, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 243, 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(134, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 243, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 59.9321, 76.3895, 106.1936 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(134, 243, 255) }
```



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

```
.border{ border-color:rgb(134, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 243,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.9321, 76.3895, 106.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 243, 255) }
```

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

```
.background{ background-color: rgb(134,  
243, 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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