

# Converting Colors

XYZ(60.2514, 78.5192,  
106.5879)

Have a look what the booklet for  
XYZ(60.2514, 78.5192, 106.5879)  
contains.

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# Color

**XYZ(60.2129, 78.3307,  
106.5535)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80F7FF
RGB	128, 247, 255
RGB Percent	50%, 97%, 100%
CMY	0.4980, 0.0314, 0.0000
CMYK	0.50, 0.03, 0.00, 0.00
HSL	184°, 100%, 75%
HSV	184°, 50%, 100%
XYZ	60.2129, 78.3307, 106.5535
YIQ	212.3310, -73.4920, -22.7400

# Conversions

## Conversions Part 2

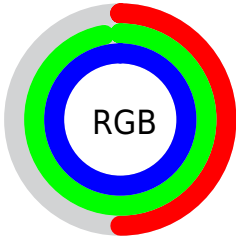
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 189, 255
Decimal	8452095
CIELab	90.93, -31.48, -14.20
CIELCh	91, 34.537, 204.278
Yxy	78.3307, 0.2457, 0.3196
Android (android.graphics.Color)	4286642175 (0xFF80F7FF)
YUV	212.3310, 21.0358, -73.9583
Hunter-Lab	88.5046, -33.4431, -9.4278

# Details

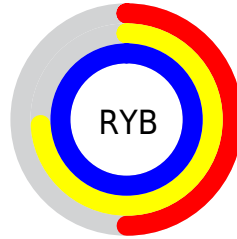
The XYZ color **60.2129, 78.3307, 106.5535** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.9412, 40.4277, 25.3846**, and the grayscale version is **62.7010, 65.9663, 71.8374**.

A 20% lighter version of the original color is **74.5490, 89.4314, 107.9406**, and **30.6564, 41.9609, 59.9096** is the 20% darker color. If you saturate the color by 10%, you get **56.3601, 75.6205, 106.2335**, and if you desaturate by 10%, it is **65.0378, 81.5519, 106.9210**.

# Distribution



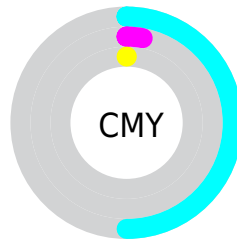
- Red (50%)
- Green (97%)
- Blue (100%)



- Red (50%)
- Yellow (74%)
- Blue (100%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2129, 78.3307, 106.5535 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 60.2129, 78.3307, 106.5535 by changing the saturation by 10% instead.



60.2129, 78.3307,  
106.5535

60.2129, 78.3307,  
106.5535

415.2042,  
489.2892, 602.4308

43.8404, 58.3457,  
81.1375

104.2430,  
131.0162, 172.2646

30.7424, 42.0866,  
60.1232

132.6314,  
164.4855, 213.3967

20.5536, 29.1691,  
43.0920

165.7557,  
203.2183, 260.6047

12.9087, 19.2088,  
29.6254

203.9813,  
247.5990, 314.3071

7.4423, 11.8212,  
19.3048

247.6736,  
298.0121, 374.9223

3.7890, 6.6221,  
11.7117

297.1980,

1.5835, 3.2269,

354.8419, 442.8690

6.4275

352.9197,  
418.4728, 518.5657

0.3816, 1.2513,  
3.0338

0.0000, 0.1030,  
1.1119

60.2129, 78.3307,  
106.5535

60.2129, 78.3307,  
106.5535

56.3601, 75.6205,  
106.2335

65.0378, 81.5519,  
106.9210

53.3994, 73.3747,  
105.9560

70.8944, 85.3094,  
107.3376

51.2487, 71.5527,  
105.7177

77.8450, 89.6373,  
107.8066

49.8077, 70.1028,  
105.5138

85.9452, 94.5641,  
108.3306

■ 48.9158, 68.9422, 95.0500, 100.0000,  
105.3368 108.9000

■ 48.9001, 68.9202,  
105.3334

# Harmonies

## Analogous

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



59.0086, 78.3307, 80.5982



60.2129, 78.3307, 106.5535



65.1005, 78.3307, 130.4213

# Triad

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



60.2129, 78.3307, 106.5535



88.8820, 78.3307, 116.4471



76.1323, 78.3307, 45.9330

# Complementary

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



60.2129, 78.3307, 106.5535



53.9412, 40.4277, 25.3846

# 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.



84.6565, 78.3307, 51.9930



60.2129, 78.3307, 106.5535



92.3767, 78.3307, 90.1579

# Square

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



60.2129, 78.3307, 106.5535



81.5465, 78.3307, 136.8683



90.7733, 78.3307, 67.0601



67.7794, 78.3307, 48.6321

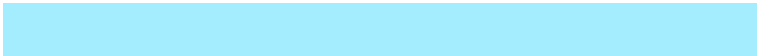


# Rectangle

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



60.2129, 78.3307, 106.5535



70.0072, 78.3307, 140.2479



90.7733, 78.3307, 67.0601



79.0789, 78.3307, 46.9697

# Sweetspot

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



60.2150, 78.3336, 106.5540



81.5875, 91.9264, 108.0512



48.9910, 77.8409, 35.1274



17.1043, 19.4572, 23.1041



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

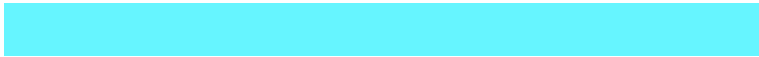


# Same Dimension

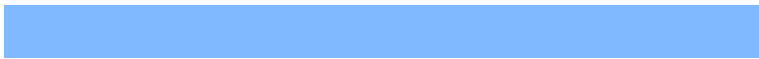
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.2150, 78.3336, 106.5540



56.2929, 75.5715, 106.2276



44.3342, 46.5719, 101.2604



18.4512, 20.2739, 23.1907



25.5933, 36.0963, 55.0529



2.5204, 3.5715, 5.3698



# Inverse Universe

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



65.7491, 43.4157, 92.9135



62.5288, 37.3777, 90.5988



65.2972, 63.1396, 29.1699



18.7404, 18.2795, 22.5159



29.7065, 14.3719, 43.9666

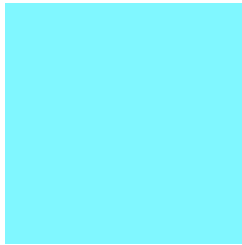


2.9068, 1.4051, 4.3565



# Previews

## White Background



This preview shows how the XYZ color 60.2129, 78.3307, 106.5535 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

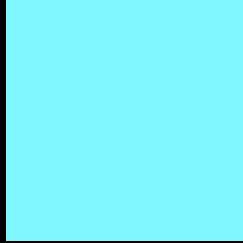
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.2129, 78.3307, 106.5535 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

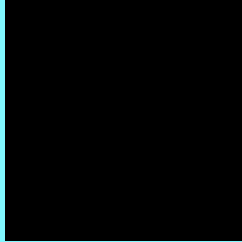
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 60.2129, 78.3307, 106.5535

## Background



This preview shows how black text looks on a background with the XYZ color 60.2129, 78.3307, 106.5535.



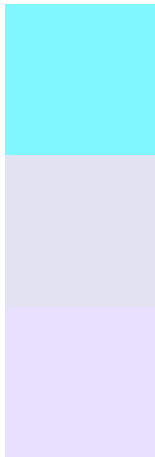
This preview shows how white text looks on a background with the XYZ color 60.2129, 78.3307,



# 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

60.2129, 78.3307, 106.5535

### Protanopia

74.9019, 77.1344, 94.9451

### Deuteranopia

78.0419, 77.3190, 105.4185



## Tritanopia

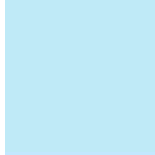
64.9360, 77.6472, 106.1727

# Trichromacy



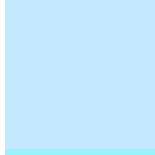
## Original Color

60.2129, 78.3307, 106.5535



## Protanomaly

67.6972, 76.6374, 99.2202



## Deuteranomaly

69.4123, 76.5353, 105.7221



## Tritanomaly

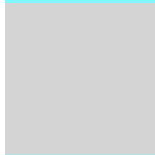
63.0495, 77.9966, 106.3395

# Monochromacy



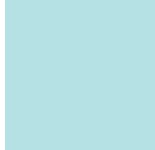
## Original Color

60.2129, 78.3307, 106.5535



## Achromatopsia

62.5785, 65.8375, 71.6970



## Achromatomaly

59.9849, 69.2756, 83.6088

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2129, 78.3307, 106.5535 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(128, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(128, 247, 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(128, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2129, 78.3307, 106.5535 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(128, 247, 255) }
```



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

```
.border{ border-color:rgb(128, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2129, 78.3307, 106.5535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 247, 255) }
```

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

```
.background{ background-color: rgb(128,  
247, 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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