

# Converting Colors

XYZ(70.1075, 85.4724,  
152.6576)

Have a look what the booklet for  
XYZ(70.1075, 85.4724, 152.6576)  
contains.

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# Color

**XYZ(61.6602, 82.3146,  
107.2462)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BFEFF
RGB	123, 254, 255
RGB Percent	48%, 100%, 100%
CMY	0.5176, 0.0039, 0.0000
CMYK	0.52, 0.00, 0.00, 0.00
HSL	180°, 100%, 74%
HSV	180°, 52%, 100%
XYZ	61.6602, 82.3146, 107.2462
YIQ	214.9450, -78.3970, -27.4610

# Conversions

## Conversions Part 2

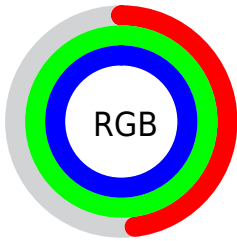
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 189, 255
Decimal	8126207
CIELab	92.71, -35.75, -11.56
CIELCh	93, 37.576, 197.910
Yxy	82.3146, 0.2454, 0.3277
Android (android.graphics.Color)	4286316287 (0xFF7BFEFF)
YUV	214.9450, 19.7471, -80.6358
Hunter-Lab	90.7274, -37.4607, -6.5758

# Details

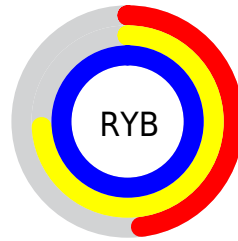
The XYZ color **61.6602, 82.3146, 107.2462** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **52.0235, 37.1060, 23.1612**, and the grayscale version is **64.4649, 67.8221, 73.8582**.

A 20% lighter version of the original color is **73.5772, 88.9303, 107.8951**, and **31.6806, 44.7940, 60.4024** is the 20% darker color. If you saturate the color by 10%, you get **58.4160, 80.5535, 107.0773**, and if you desaturate by 10%, it is **65.8587, 84.5716, 107.4606**.

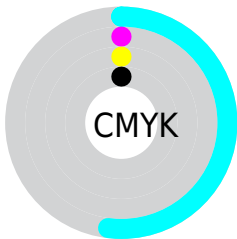
# Distribution



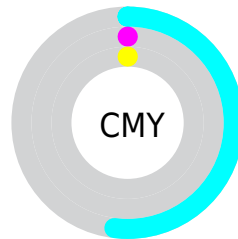
- Red (48%)
- Green (100%)
- Blue (100%)



- Red (48%)
- Yellow (74%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (52%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6602, 82.3146, 107.2462 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 61.6602, 82.3146, 107.2462 by changing the saturation by 10% instead.



61.6602, 82.3146,  
107.2462

61.6602, 82.3146,  
107.2462

420.4279,  
502.6994, 604.6272

45.0128, 61.6249,  
81.7153

106.3270,  
136.6151, 173.2184

31.6688, 44.7297,  
60.5964

135.0770,  
170.9947, 214.4968

21.2630, 31.2445,  
43.4711

168.5920,  
210.7063, 261.8615

13.4299, 20.7851,  
29.9208

207.2372,  
256.1344, 315.7309

7.8043, 12.9670,  
19.5269

251.3781,  
307.6634, 376.5236

4.0207, 7.4059,  
11.8710

301.3799,

1.7139, 3.7172,

365.6776, 444.6582

6.5344

357.6080,  
430.5615, 520.5532

■ 0.4649, 1.5167,  
3.0987

■ 0.0000, 0.3004,  
1.1452

■ 61.6602, 82.3146,  
107.2462

■ 61.6602, 82.3146,  
107.2462

■ 58.4160, 80.5535,  
107.0773

■ 65.8587, 84.5716,  
107.4606

■ 56.0441, 79.2402,  
106.9488

■ 71.0723, 87.3501,  
107.7221

■ 54.4599, 78.3331,  
106.8572

■ 77.3643, 90.6846,  
108.0341

■ 53.5588, 77.7783,  
106.7976

■ 84.7911, 94.6042,  
108.3992

■ 53.1993, 77.5186,  
106.7664

■ 93.4052, 99.1360,  
108.8199

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



61.2391, 82.3146, 78.8046



61.6602, 82.3146, 107.2462



66.2878, 82.3146, 135.8736

# Triad

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



61.6602, 82.3146, 107.2462



93.0524, 82.3146, 130.8295



82.2461, 82.3146, 46.5763

# Complementary

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



61.6602, 82.3146, 107.2462



52.0235, 37.1060, 23.1612

# 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.



91.5435, 82.3146, 55.2814



61.6602, 82.3146, 107.2462



98.1221, 82.3146, 101.3966

# Square

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



61.6602, 82.3146, 107.2462



84.1695, 82.3146, 151.3230



97.5479, 82.3146, 74.0509



72.5910, 82.3146, 47.4981



# Rectangle

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



61.6602, 82.3146, 107.2462



71.3710, 82.3146, 149.4247



97.5479, 82.3146, 74.0509



85.5310, 82.3146, 48.3839

# Sweetspot

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



61.6624, 82.3177, 107.2467



81.5018, 92.8700, 108.2378



47.5048, 77.1616, 31.1309



17.1190, 19.7060, 23.1513



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

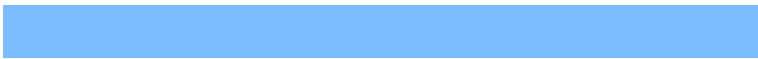
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.6624, 82.3177, 107.2467



58.3498, 80.5172, 107.0738



44.4175, 47.8279, 101.4984



18.5425, 20.4566, 23.2212



27.8032, 40.5160, 55.7896



2.7108, 3.9522, 5.4333



# Inverse Universe

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



66.2138, 42.5835, 98.4990



63.3640, 36.9343, 97.3935



63.0138, 59.0867, 26.8246



18.7865, 18.2979, 22.7586



30.8220, 14.8181, 49.8404

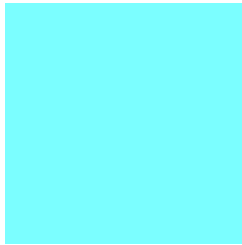


3.0029, 1.4435, 4.8625



# Previews

## White Background



This preview shows how the XYZ color 61.6602, 82.3146, 107.2462 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

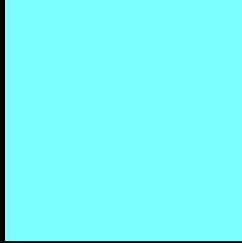
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.6602, 82.3146, 107.2462 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 61.6602, 82.3146, 107.2462

## Background



This preview shows how black text looks on a background with the XYZ color 61.6602, 82.3146, 107.2462.



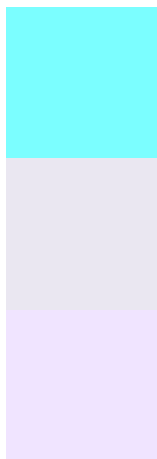
This preview shows how white text looks on a background with the XYZ color 61.6602, 82.3146,



# 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

61.6602, 82.3146, 107.2462

### Protanopia

78.3848, 80.9951, 94.7214

### Deuteranopia

81.7286, 81.2321, 105.9795



## Tritanopia

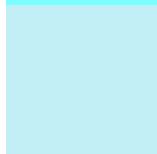
69.8678, 81.5115, 106.6586

# Trichromacy



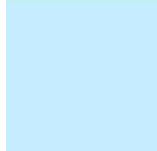
## Original Color

61.6602, 82.3146, 107.2462



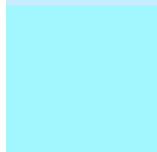
## Protanomaly

69.7492, 79.8562, 98.9264



## Deuteranomaly

71.3601, 79.6587, 106.2223



## Tritanomaly

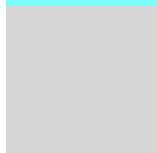
66.2111, 81.4229, 106.8342

# Monochromacy



## Original Color

61.6602, 82.3146, 107.2462



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

61.5936, 71.6969, 85.4555

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6602, 82.3146, 107.2462 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(123, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(123, 254, 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(123, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 254, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6602, 82.3146, 107.2462 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(123, 254, 255) }
```



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

```
.border{ border-color:rgb(123, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(123, 254,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6602, 82.3146, 107.2462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 254, 255) }
```

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

```
.background{ background-color: rgb(123,  
254, 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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