

# Converting Colors

XYZ(61.9103, 82.9159,  
107.3491)

Have a look what the booklet for  
XYZ(61.9103, 82.9159, 107.3491)  
contains.

<b>XYZ(61.9784, 82.9510, 107.3523)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(61.9784, 82.9510,  
107.3523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BFFFF
RGB	123, 255, 255
RGB Percent	48%, 100%, 100%
CMY	0.5176, 0.0000, 0.0000
CMYK	0.52, 0.00, 0.00, 0.00
HSL	180°, 100%, 74%
HSV	180°, 52%, 100%
XYZ	61.9784, 82.9510, 107.3523
YIQ	215.5320, -78.6720, -27.9840

# Conversions

## Conversions Part 2

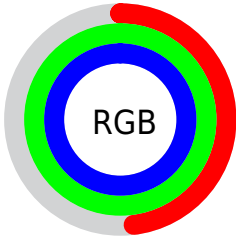
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 189, 255
Decimal	8126463
CIELab	92.99, -36.22, -11.14
CIElCh	93, 37.890, 197.097
Yxy	82.9510, 0.2457, 0.3288
Android (android.graphics.Color)	4286316543 (0xFF7BFFFF)
YUV	215.5320, 19.4577, -81.1506
Hunter-Lab	91.0774, -37.9159, -6.1305

# Details

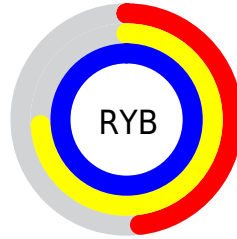
The XYZ color **61.9784, 82.9510, 107.3523** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.8993, 36.8577, 23.1198**, and the grayscale version is **64.8628, 68.2408, 74.3142**.

A 20% lighter version of the original color is **73.8176, 89.0543, 107.9063**, and **31.9084, 45.2497, 60.4784** is the 20% darker color. If you saturate the color by 10%, you get **58.7939, 81.3093, 107.2032**, and if you desaturate by 10%, it is **66.1145, 85.0832, 107.5458**.

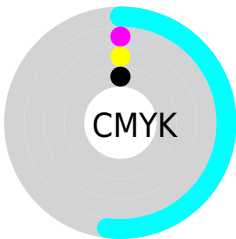
# Distribution



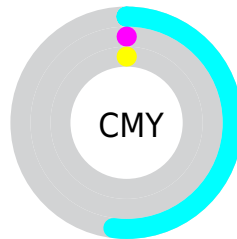
- Red (48%)
- Green (100%)
- Blue (100%)



- 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 61.9784, 82.9510, 107.3523 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 61.9784, 82.9510, 107.3523 by changing the saturation by 10% instead.



61.9784, 82.9510,  
107.3523

61.9784, 82.9510,  
107.3523

421.5711,  
504.8232, 604.9632

45.2708, 62.1497,  
81.8038

106.7844,  
137.5068, 173.3645

31.8729, 45.1537,  
60.6689

135.6135,  
172.0302, 214.6653

21.4196, 31.5785,  
43.5292

169.2139,  
211.8963, 262.0539

13.5452, 21.0398,  
29.9661

207.9508,  
257.4897, 315.9488

7.8846, 13.1531,  
19.5610

252.1896,  
309.1947, 376.7687

4.0724, 7.5340,  
11.8955

302.2957,

1.7432, 3.7983,

367.3957, 444.9320

6.5509

358.6344,  
432.4770, 520.8573

■ 0.4831, 1.5614,  
3.1087

■ 0.0000, 0.3313,  
1.1504

■ 61.9784, 82.9510,  
107.3523

■ 61.9784, 82.9510,  
107.3523

■ 58.7939, 81.3093,  
107.2032

■ 66.1145, 85.0832,  
107.5458

■ 56.4829, 80.1180,  
107.0951

■ 71.2669, 87.7394,  
107.7870

■ 54.9597, 79.3327,  
107.0238

■ 77.4977, 90.9515,  
108.0786

■ 54.1194, 78.8995,  
106.9845

■ 84.8633, 94.7485,  
108.4233

■ 53.8100, 78.7400,  
106.9700

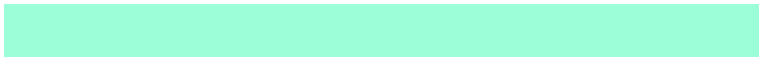
■ 93.4160, 99.1576,  
108.8235

■ 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.



61.6711, 82.9510, 78.6608



61.9784, 82.9510, 107.3523



66.5559, 82.9510, 136.5410

# Triad

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



61.9784, 82.9510, 107.3523



93.6580, 82.9510, 132.8507



83.1794, 82.9510, 46.8462

# Complementary

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



61.9784, 82.9510, 107.3523



51.8993, 36.8577, 23.1198

# 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.



92.5550, 82.9510, 55.9196



61.9784, 82.9510, 107.3523



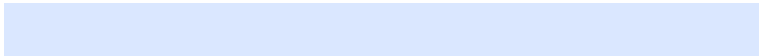
98.9374, 82.9510, 103.0768

# Square

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



61.9784, 82.9510, 107.3523



84.5848, 82.9510, 153.2492



98.5177, 82.9510, 75.1910



73.3660, 82.9510, 47.5174



# Rectangle

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



61.9784, 82.9510, 107.3523



71.6490, 82.9510, 150.5725



98.5177, 82.9510, 75.1910



86.5019, 82.9510, 48.7616

# Sweetspot

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



61.9793, 82.9514, 107.3523



81.6000, 93.0663, 108.2705



47.5048, 77.1616, 31.1308



17.1427, 19.7535, 23.1592



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.



61.9793, 82.9514, 107.3523



58.7291, 81.2759, 107.2002



44.4175, 47.8279, 101.4984



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



66.3737, 42.6474, 99.3412



63.5555, 37.0109, 98.4018



63.0138, 59.0867, 26.8246



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

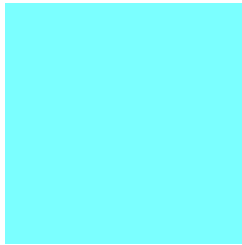


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 61.9784, 82.9510, 107.3523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

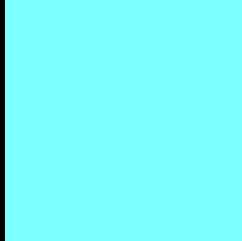
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.9784, 82.9510, 107.3523 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 61.9784, 82.9510, 107.3523

## Background



This preview shows how black text looks on a background with the XYZ color 61.9784, 82.9510, 107.3523.



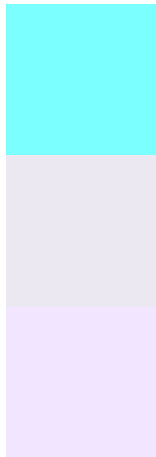
This preview shows how white text looks on a background with the XYZ color 61.9784, 82.9510,



# 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

61.9784, 82.9510, 107.3523

### Protanopia

78.9947, 81.7263, 94.8304

### Deuteranopia

82.3449, 81.9594, 106.0874



## Tritanopia

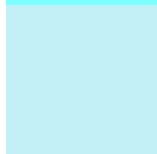
70.8942, 82.4862, 106.7926

# Trichromacy



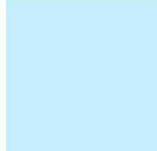
## Original Color

61.9784, 82.9510, 107.3523



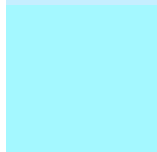
## Protanomaly

70.0428, 80.4433, 99.0242



## Deuteranomaly

71.9132, 80.3748, 106.3314



## Tritanomaly

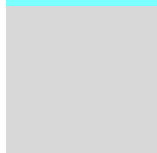
66.9272, 82.2473, 106.9556

# Monochromacy



## Original Color

61.9784, 82.9510, 107.3523



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

61.8711, 72.2519, 85.5480

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.9784, 82.9510, 107.3523 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, 255, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 61.9784, 82.9510, 107.3523 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, 255, 255) }
```



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

```
.border{ border-color:rgb(123, 255, 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, 255, 255)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 61.9784, 82.9510, 107.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(123,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor