

# Converting Colors

XYZ(74.1401, 102.8675,  
127.0088)

Have a look what the booklet for  
XYZ(74.1401, 102.8675, 127.0088)  
contains.

<b>XYZ(61.5557, 82.7331, 107.3325)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(61.5557, 82.7331,  
107.3325)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78FFFF
RGB	120, 255, 255
RGB Percent	47%, 100%, 100%
CMY	0.5294, 0.0000, 0.0000
CMYK	0.53, 0.00, 0.00, 0.00
HSL	180°, 100%, 74%
HSV	180°, 53%, 100%
XYZ	61.5557, 82.7331, 107.3325
YIQ	214.6350, -80.4600, -28.6200

# Conversions

## Conversions Part 2

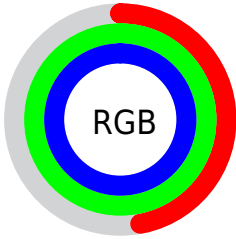
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 188, 255
Decimal	7929855
CIELab	92.90, -36.79, -11.29
CIELCh	93, 38.486, 197.062
Yxy	82.7331, 0.2446, 0.3288
Android (android.graphics.Color)	4286119935 (0xFF78FFFF)
YUV	214.6350, 19.8999, -82.9949
Hunter-Lab	90.9577, -38.3761, -6.2933

# Details

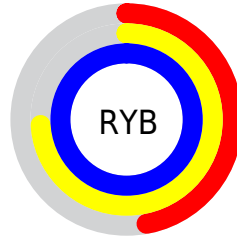
The XYZ color **61.5557, 82.7331, 107.3325** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.3477, 36.0506, 22.0233**, and the grayscale version is **64.2538, 67.6000, 73.6164**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **31.6060, 45.0938, 60.4642** is the 20% darker color. If you saturate the color by 10%, you get **58.4782, 81.1465, 107.1885**, and if you desaturate by 10%, it is **65.5764, 84.8058, 107.5207**.

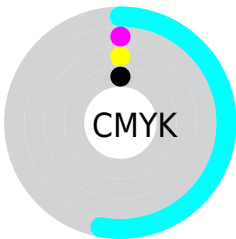
# Distribution



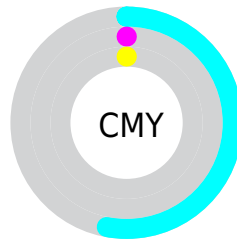
- Red (47%)
- Green (100%)
- Blue (100%)



- Red (47%)
- Yellow (74%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5557, 82.7331, 107.3325 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 61.5557, 82.7331, 107.3325 by changing the saturation by 10% instead.



61.5557, 82.7331,  
107.3325

61.5557, 82.7331,  
107.3325

420.0520,  
504.0966, 604.9005

44.9280, 61.9700,  
81.7873

106.1767,  
137.2016, 173.3372

31.6018, 45.0085,  
60.6554

134.9007,  
171.6758, 214.6338

21.2116, 31.4641,  
43.5184

168.3876,  
211.4891, 262.0180

13.3921, 20.9525,  
29.9576

207.0027,  
257.0259, 315.9082

7.7780, 13.0893,  
19.5547

251.1113,  
308.6707, 376.7230

4.0038, 7.4901,  
11.8909

301.0788,

1.7043, 3.7704,

366.8078, 444.8809

6.5478

357.2706,  
431.8216, 520.8006

0.4589, 1.5460,  
3.1068

0.0000, 0.3208,  
1.1494

61.5557, 82.7331,  
107.3325

61.5557, 82.7331,  
107.3325

58.4782, 81.1465,  
107.1885

65.5764, 84.8058,  
107.5207

56.2647, 80.0054,  
107.0849

70.6059, 87.3986,  
107.7560

54.8276, 79.2646,  
107.0176

76.7068, 90.5437,  
108.0416

54.0596, 78.8687,  
106.9817

83.9360, 94.2705,  
108.3799

■ 53.8100, 78.7400,  
106.9700

■ 92.3465, 98.6063,  
108.7735

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.



61.2502, 82.7331, 78.2398



61.5557, 82.7331, 107.3325



66.1813, 82.7331, 137.0267

# Triad

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



61.5557, 82.7331, 107.3325



93.6627, 82.7331, 133.3326



83.0461, 82.7331, 46.1608

# Complementary

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



61.5557, 82.7331, 107.3325



51.3477, 36.0506, 22.0233

# 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.



92.5612, 82.7331, 55.3093



61.5557, 82.7331, 107.3325



99.0333, 82.7331, 103.0633

# Square

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



61.5557, 82.7331, 107.3325



84.4481, 82.7331, 154.0949



98.6138, 82.7331, 74.7870



73.0956, 82.7331, 46.8246



# Rectangle

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



61.5557, 82.7331, 107.3325



71.3352, 82.7331, 151.3334



98.6138, 82.7331, 74.7870



86.4173, 82.7331, 48.0915

# Sweetspot

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



61.5566, 82.7335, 107.3325



81.6000, 93.0663, 108.2705



46.8971, 76.8697, 30.1368



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.



61.5566, 82.7335, 107.3325



58.2037, 81.0050, 107.1756



43.6738, 46.9680, 101.3716



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.



66.0072, 41.9144, 99.2191



63.0998, 36.0997, 98.2499



62.5078, 58.3707, 25.7434



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

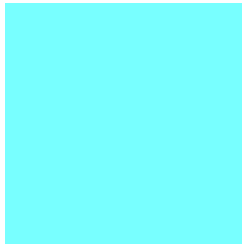


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 61.5557, 82.7331, 107.3325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

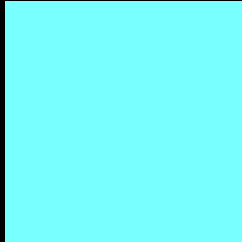
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5557, 82.7331, 107.3325 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

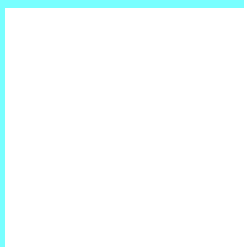
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.5557, 82.7331, 107.3325

## Background



This preview shows how black text looks on a background with the XYZ color 61.5557, 82.7331, 107.3325.



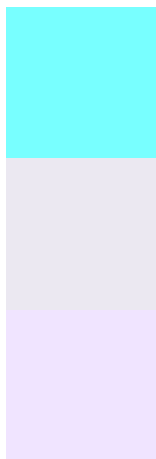
This preview shows how white text looks on a background with the XYZ color 61.5557, 82.7331,



# 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

61.5557, 82.7331, 107.3325

### Protanopia

78.9947, 81.7263, 94.8304

### Deuteranopia

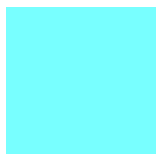
81.7286, 81.2321, 105.9795



## **Tritanopia**

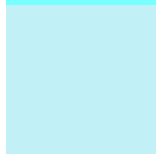
70.3503, 81.7603, 106.6812

# Trichromacy



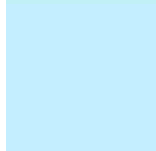
## Original Color

61.5557, 82.7331, 107.3325



## Protanomaly

69.7870, 80.3115, 99.0123



## Deuteranomaly

71.3895, 80.1048, 106.3069



## Tritanomaly

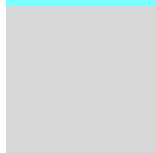
66.2111, 81.4229, 106.8342

# Monochromacy



## Original Color

61.5557, 82.7331, 107.3325



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

61.4021, 72.0101, 85.5260

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5557, 82.7331, 107.3325 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(120, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5557, 82.7331, 107.3325 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(120, 255, 255) }
```



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

```
.border{ border-color:rgb(120, 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(120, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5557, 82.7331, 107.3325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 255) }
```

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

```
.background{ background-color: rgb(120,  
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