

# Converting Colors

XYZ(61.8113, 84.6727, 25.6664)

Have a look what the booklet for  
XYZ(61.8113, 84.6727, 25.6664)  
contains.

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# Color

**XYZ(61.7115, 84.6214,  
25.6514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7FF66
RGB	199, 255, 102
RGB Percent	78%, 100%, 40%
CMY	0.2196, 0.0000, 0.6000
CMYK	0.22, 0.00, 0.60, 0.00
HSL	82°, 100%, 70%
HSV	82°, 60%, 100%
XYZ	61.7115, 84.6214, 25.6514
YIQ	220.8140, 15.7370, -59.4550

# Conversions

## Conversions Part 2

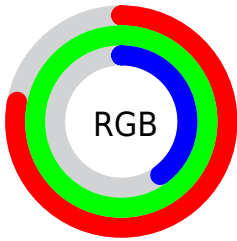
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 255, 158</a>
Decimal	<a href="#">13107046</a>
CIELab	<a href="#">93.72, -39.97, 65.65</a>
CIElCh	<a href="#">94, 76.861, 121.336</a>
Yxy	<a href="#">84.6214, 0.3588, 0.4920</a>
Android (android.graphics.Color)	<a href="#">4291297126 (0xFFC7FF66)</a>
YUV	<a href="#">220.8140, -58.5753, -19.1309</a>
Hunter-Lab	<a href="#">91.9899, -41.2354, 47.8599</a>

# Details

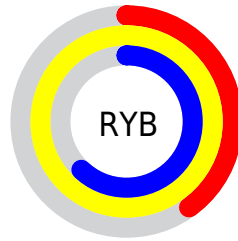
The XYZ color **61.7115, 84.6214, 25.6514** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **36.9033, 23.9932, 97.2939**, and the grayscale version is **68.9867, 72.5794, 79.0389**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **31.6332, 46.2327, 9.6394** is the 20% darker color. If you saturate the color by 10%, you get **58.2341, 82.9531, 19.8721**, and if you desaturate by 10%, it is **65.7301, 86.5238, 33.4880**.

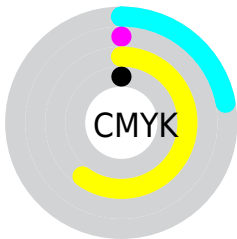
# Distribution



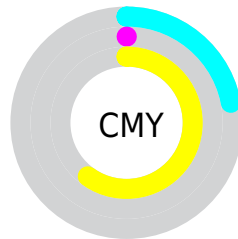
- Red (78%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (62%)



- Cyan (22%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7115, 84.6214, 25.6514 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 61.7115, 84.6214, 25.6514 by changing the saturation by 10% instead.





 61.7115, 84.6214,  
25.6514

 61.7115, 84.6214,  
25.6514


420.6123,  
510.3745, 294.6174

 45.0543, 63.5286,  
16.3396


 106.4008,  
139.8441, 53.6892


 31.7017, 46.2690,  
9.6078


 135.1636,  
174.7428, 73.2523

 21.2882, 32.4581,  
5.0375


 168.6923,  
215.0122, 97.0695

 13.4485, 21.7117,  
2.2102

 207.3523,  
261.0368, 125.5595

 7.8172, 13.6452,  
0.6802

251.5090,  
313.2009, 159.1408

 4.0290, 7.8743,  
0.0000

301.5276,

 1.7186, 4.0146,

371.8890, 198.2318

0.0000

357.7736,  
437.4854, 243.2512

0.4679, 1.6817,  
0.0000

0.0000, 0.4118,  
0.0000

61.7115, 84.6214,  
25.6514

61.7115, 84.6214,  
25.6514

58.2341, 82.9531,  
19.8721

65.7301, 86.5238,  
33.4880

55.2576, 81.5023,  
15.9516


70.3242, 88.6742,  
43.5483


52.7354, 80.2502,  
13.6589

75.5255, 91.0857,  
55.9863

50.5925, 79.1664,  
12.6143

81.3629, 93.7700,  
70.9408

 50.5921, 79.1662,  
12.6141

 87.8631, 96.7382,  
88.5401

95.0500, 100.0000,  
108.9000

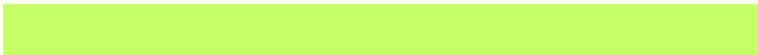
# Harmonies

## Analogous

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



79.5193, 84.6214, 19.2923



61.7115, 84.6214, 25.6514



50.6950, 84.6214, 48.0843

# Triad

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



61.7115, 84.6214, 25.6514



63.0482, 84.6214, 229.9887



126.3486, 84.6214, 89.5447

# Complementary

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



61.7115, 84.6214, 25.6514



36.9033, 23.9932, 97.2939

# 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.



119.9788, 84.6214, 157.1903



61.7115, 84.6214, 25.6514



81.3478, 84.6214, 256.1959

# Square

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



61.7115, 84.6214, 25.6514



51.3700, 84.6214, 163.7547



102.5960, 84.6214, 225.2042

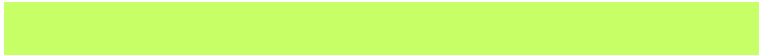


118.7891, 84.6214, 45.2042



# Rectangle

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



61.7115, 84.6214, 25.6514



47.5580, 84.6214, 76.2346



102.5960, 84.6214, 225.2042



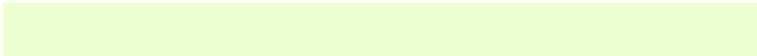
125.7592, 84.6214, 110.1130

# Sweetspot

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



61.7117, 84.6215, 25.6526



82.6079, 94.3401, 74.2421



55.4521, 45.8466, 18.4982



17.2953, 20.0158, 14.8694



0.0000, 0.0000, 0.0000

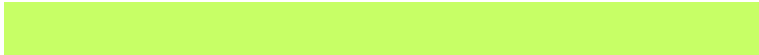


20.3446, 21.4041, 23.3091



# Same Dimension

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



61.7117, 84.6215, 25.6526



57.5995, 82.6458, 18.9452



46.6092, 76.8359, 24.9458



18.8788, 20.7389, 19.1523



26.6053, 41.4536, 6.5991



2.7107, 4.0982, 0.6482



# Inverse Universe

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



36.9033, 23.9932, 97.2939



30.9099, 17.2323, 96.3048



56.0970, 33.8879, 98.1921



17.6308, 17.7014, 22.7374



11.9575, 5.0748, 49.7839

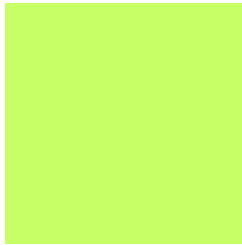


1.2794, 0.5535, 4.8527



# Previews

## White Background



This preview shows how the XYZ color 61.7115, 84.6214, 25.6514 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

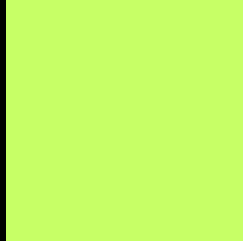
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.7115, 84.6214, 25.6514 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

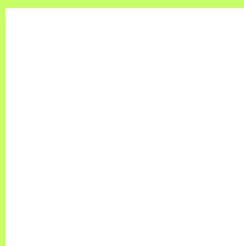
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 61.7115, 84.6214, 25.6514

## Background



This preview shows how black text looks on a background with the XYZ color 61.7115, 84.6214, 25.6514.



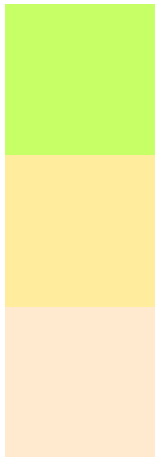
This preview shows how white text looks on a background with the XYZ color 61.7115, 84.6214,

25.6514.

# 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

61.7115, 84.6214, 25.6514

### Protanopia

77.3213, 83.6852, 43.9759

### Deuteranopia

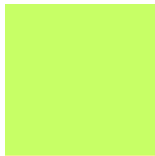
81.6414, 84.0428, 70.9504



## **Tritanopia**

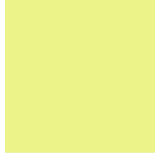
78.7353, 84.3252, 106.7343

# Trichromacy



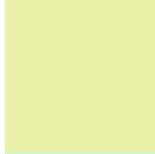
## Original Color

61.7115, 84.6214, 25.6514



## Protanomaly

70.8269, 83.5695, 36.0645



## Deuteranomaly

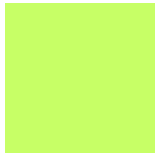
72.8777, 83.4373, 49.8001



## Tritanomaly

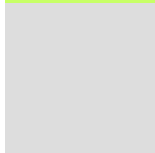
70.4018, 83.5745, 66.4537

# Monochromacy



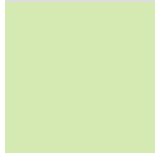
## Original Color

61.7115, 84.6214, 25.6514



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

64.6154, 75.6383, 53.3135

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.7115, 84.6214, 25.6514 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(199, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 102)  
}
```

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(199, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 61.7115, 84.6214, 25.6514 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(199, 255, 102) }
```



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

```
.border{ border-color:rgb(199, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(199, 255,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.7115, 84.6214, 25.6514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 102) }
```

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

```
.background{ background-color: rgb(199,  
255, 102) }
```

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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