

# Converting Colors

XYZ(57.9873, 82.7016, 25.4771)

Have a look what the booklet for  
XYZ(57.9873, 82.7016, 25.4771)  
contains.

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# Color

**XYZ(57.9254, 82.6697,  
25.4742)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B8FF66
RGB	184, 255, 102
RGB Percent	72%, 100%, 40%
CMY	0.2784, 0.0000, 0.6000
CMYK	0.28, 0.00, 0.60, 0.00
HSL	88°, 100%, 70%
HSV	88°, 60%, 100%
XYZ	57.9254, 82.6697, 25.4742
YIQ	216.3290, 6.7970, -62.6350

# Conversions

## Conversions Part 2

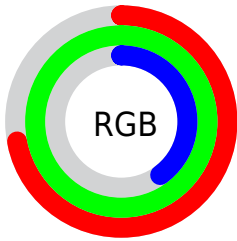
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 255, 173</a>
Decimal	<a href="#">12124006</a>
CIELab	<a href="#">92.87, -45.35, 64.47</a>
CIELCh	<a href="#">93, 78.821, 125.124</a>
Yxy	<a href="#">82.6697, 0.3488, 0.4978</a>
Android (android.graphics.Color)	<a href="#">4290314086 (0xFFB8FF66)</a>
YUV	<a href="#">216.3290, -56.3642, -28.3525</a>
Hunter-Lab	<a href="#">90.9229, -45.3958, 47.0345</a>

# Details

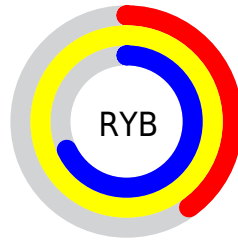
The XYZ color **57.9254, 82.6697, 25.4742** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **40.0365, 25.6084, 97.4405**, and the grayscale version is **65.8637, 69.2938, 75.4609**.

A 20% lighter version of the original color is **78.8937, 93.0433, 46.1488**, and **29.2529, 45.0056, 9.5280** is the 20% darker color. If you saturate the color by 10%, you get **54.1318, 80.8383, 19.6801**, and if you desaturate by 10%, it is **62.3453, 84.7789, 33.3295**.

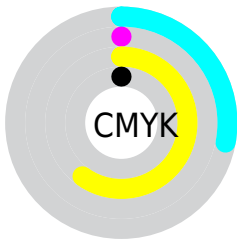
# Distribution



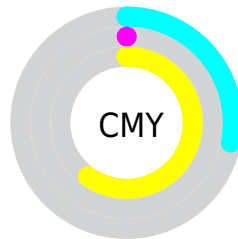
- Red (72%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (68%)



- Cyan (28%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.9254, 82.6697, 25.4742 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 57.9254, 82.6697, 25.4742 by changing the saturation by 10% instead.





 57.9254, 82.6697,  
25.4742

 57.9254, 82.6697,  
25.4742


406.8662,  
503.8851, 293.7142


 41.9917, 61.9177,  
16.2085


 100.9378,  
137.1128, 53.3991


 29.2859, 44.9662,  
9.5158


 128.7472,  
171.5726, 72.8954

 19.4426, 31.4308,  
4.9778


 161.2459,  
211.3705, 96.6389

 12.0964, 20.9271,  
2.1757

 198.7993,  
256.8909, 125.0482

 6.8820, 13.0707,  
0.6603

241.7726,  
308.5182, 158.5418

 3.4341, 7.4773,  
0.0000

290.5313,

 1.3873, 3.7623,

366.6367, 197.5384

0.0000

345.4408,  
431.6308, 242.4563

■ 0.2471, 1.5415,  
0.0000

■ 0.0000, 0.3177,  
0.0000

■ 57.9254, 82.6697,  
25.4742

■ 57.9254, 82.6697,  
25.4742

■ 54.1318, 80.8383,  
19.6801

■ 62.3453, 84.7789,  
33.3295

■ 50.9213, 79.2669,  
15.7487

■ 67.4290, 87.1817,  
43.4128

■ 48.2440, 77.9349,  
13.4487

■ 73.2110, 89.8925,  
55.8779

■ 46.0216, 76.8101,  
12.4004

■ 79.7227, 92.9245,  
70.8639

■ 46.0213, 76.8099,  
12.4002

■ 86.9937, 96.2900,  
88.4993

95.0500, 100.0000,  
108.9000

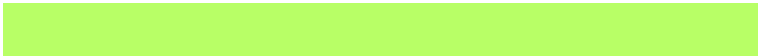
# Harmonies

## Analogous

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



75.0918, 82.6697, 17.7231



57.9254, 82.6697, 25.4742



47.8503, 82.6697, 50.2427

# Triad

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



57.9254, 82.6697, 25.4742



63.0686, 82.6697, 237.0536



124.9762, 82.6697, 80.2613

# Complementary

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



57.9254, 82.6697, 25.4742



40.0365, 25.6084, 97.4405

# 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.



120.2472, 82.6697, 146.6356



57.9254, 82.6697, 25.4742



82.1644, 82.6697, 256.7762

# Square

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



57.9254, 82.6697, 25.4742



50.4360, 82.6697, 172.2854



103.6276, 82.6697, 218.2607



115.6122, 82.6697, 39.2651



# Rectangle

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



57.9254, 82.6697, 25.4742



45.3585, 82.6697, 80.7143



103.6276, 82.6697, 218.2607



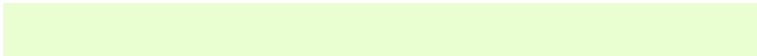
124.9965, 82.6697, 100.0003

# Sweetspot

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



57.9255, 82.6697, 25.4754



81.1140, 93.5700, 74.1722



58.1735, 51.2895, 19.4053



16.9302, 19.8276, 14.8523



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.



57.9255, 82.6697, 25.4754



53.4439, 80.5035, 18.7507



44.5460, 75.7723, 24.8492



18.7014, 20.6475, 19.1440



24.2213, 40.2246, 6.4875



2.4845, 3.9816, 0.6376



# Inverse Universe

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



40.0365, 25.6084, 97.4405



34.1561, 18.9058, 96.4567



61.2832, 36.5615, 98.4348



17.8043, 17.7908, 22.7455



13.5277, 5.8843, 49.8574

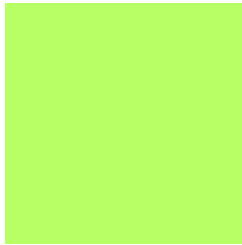


1.4417, 0.6371, 4.8603



# Previews

## White Background



This preview shows how the XYZ color 57.9254, 82.6697, 25.4742 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

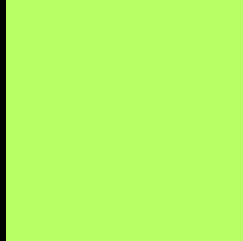
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.9254, 82.6697, 25.4742 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

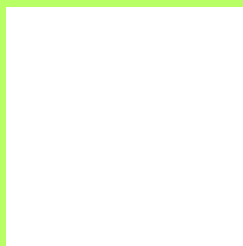
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.9254, 82.6697, 25.4742**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.9254, 82.6697, 25.4742.



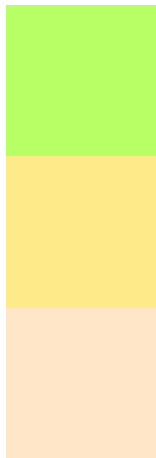
This preview shows how white text looks on a background with the XYZ color 57.9254, 82.6697,

25.4742.

# 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

57.9254, 82.6697, 25.4742

### Protanopia

75.2503, 81.9406, 35.8948

### Deuteranopia

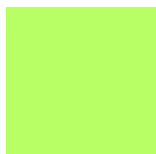
79.9621, 82.0238, 66.2613



## Tritanopia

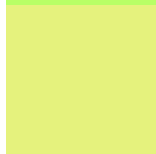
74.9190, 81.9244, 106.4721

# Trichromacy



## Original Color

57.9254, 82.6697, 25.4742



## Protanomaly

67.7669, 81.6429, 31.5890



## Deuteranomaly

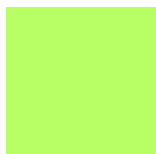
69.8804, 81.0714, 47.0872



## Tritanomaly

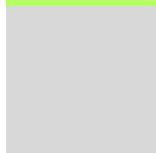
66.4789, 81.1042, 66.1837

# Monochromacy



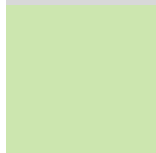
## Original Color

57.9254, 82.6697, 25.4742



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

60.9365, 72.5261, 51.3447

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.9254, 82.6697, 25.4742 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(184, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(184, 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(184, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 57.9254, 82.6697, 25.4742 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(184, 255, 102) }
```



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

```
.border{ border-color:rgb(184, 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(184, 255, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(184, 255,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.9254, 82.6697, 25.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 102) }
```

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

```
.background{ background-color: rgb(184,  
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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