

# Converting Colors

XYZ(62.3679, 84.9598, 25.6841)

Have a look what the booklet for  
XYZ(62.3679, 84.9598, 25.6841)  
contains.

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# Color

**XYZ(62.2457, 84.8968,  
25.6764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9FF66
RGB	201, 255, 102
RGB Percent	79%, 100%, 40%
CMY	0.2118, 0.0000, 0.6000
CMYK	0.21, 0.00, 0.60, 0.00
HSL	81°, 100%, 70%
HSV	81°, 60%, 100%
XYZ	62.2457, 84.8968, 25.6764
YIQ	221.4120, 16.9290, -59.0310

# Conversions

## Conversions Part 2

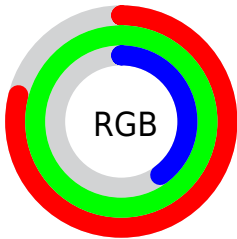
Format	Color
<a href="#">RYB</a>	<a href="#">102, 255, 156</a>
Decimal	<a href="#">13238118</a>
CIELab	<a href="#">93.84, -39.24, 65.81</a>
CIElCh	<a href="#">94, 76.623, 120.804</a>
Yxy	<a href="#">84.8968, 0.3602, 0.4912</a>
Android (android.graphics.Color)	<a href="#">4291428198</a> ( <a href="#">0xFFC9FF66</a> )
YUV	<a href="#">221.4120, -58.8701, -17.9013</a>
Hunter-Lab	<a href="#">92.1395, -40.6567, 47.9753</a>

# Details

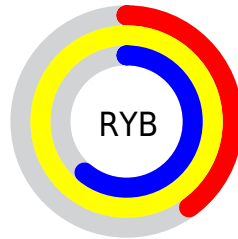
The XYZ color **62.2457, 84.8968, 25.6764** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **36.5130, 23.7920, 97.2756**, and the grayscale version is **69.4095, 73.0242, 79.5233**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **31.9764, 46.4097, 9.6555** is the 20% darker color. If you saturate the color by 10%, you get **58.8203, 83.2553, 19.8995**, and if you desaturate by 10%, it is **66.2021, 86.7672, 33.5100**.

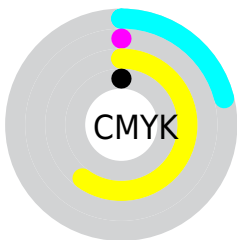
# Distribution



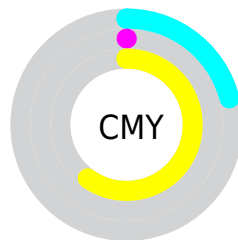
- Red (79%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (61%)



- Cyan (21%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2457, 84.8968, 25.6764 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 62.2457, 84.8968, 25.6764 by changing the saturation by 10% instead.




 62.2457, 84.8968,  
25.6764

 62.2457, 84.8968,  
25.6764


422.5300,  
511.2865, 294.7447

 45.4876, 63.7561,  
16.3581


 107.1685,  
140.2290, 53.7301

 32.0446, 46.4532,  
9.6208


 136.0639,  
175.1893, 73.3026

 21.5513, 32.6036,  
5.0460


 169.7358,  
215.5249, 97.1302

 13.6423, 21.8229,  
2.2151

 208.5496,  
261.6202, 125.6316

 7.9523, 13.7269,  
0.6830

252.8705,  
313.8596, 159.2252

 4.1160, 7.9309,  
0.0000

303.0640,

 1.7680, 4.0508,

372.6276, 198.3295

0.0000

359.4954,  
438.3084, 243.3632

0.4983, 1.7020,  
0.0000

0.0000, 0.4250,  
0.0000

62.2457, 84.8968,  
25.6764

62.2457, 84.8968,  
25.6764

58.8203, 83.2553,  
19.8995

66.2021, 86.7672,  
33.5100

55.8859, 81.8263,  
15.9810

70.7237, 88.8802,  
43.5670

53.3963, 80.5910,  
13.6898

75.8418, 91.2488,  
56.0011

51.2768, 79.5192,  
12.6463

81.5850, 93.8846,  
70.9512

■ 51.2765, 79.5190,  
12.6462

■ 87.9799, 96.7984,  
88.5456

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.



80.1437, 84.8968, 19.5140



62.2457, 84.8968, 25.6764



51.0955, 84.8968, 47.7966

# Triad

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



62.2457, 84.8968, 25.6764



63.0496, 84.8968, 229.0555



126.5478, 84.8968, 90.8736

# Complementary

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



62.2457, 84.8968, 25.6764



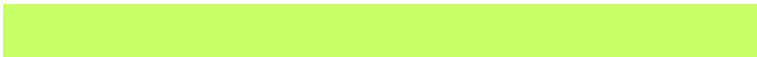
36.5130, 23.7920, 97.2756

# 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.



119.9521, 84.8968, 158.6854



62.2457, 84.8968, 25.6764



81.2425, 84.8968, 256.1415

# Square

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



62.2457, 84.8968, 25.6764



51.5017, 84.8968, 162.6249



102.4636, 84.8968, 226.1862



119.2379, 84.8968, 46.0623



# Rectangle

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



62.2457, 84.8968, 25.6764



47.8669, 84.8968, 75.6403



102.4636, 84.8968, 226.1862



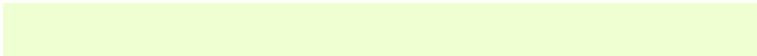
125.8744, 84.8968, 111.5552

# Sweetspot

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



62.2459, 84.8969, 25.6776



82.8100, 94.4442, 74.2515



55.4521, 45.8466, 18.4982



17.3448, 20.0413, 14.8717



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.



62.2459, 84.8969, 25.6776



58.1949, 82.9527, 18.9731



46.6092, 76.8359, 24.9458



18.9026, 20.7512, 19.1534



26.9612, 41.6371, 6.6158



2.7438, 4.1152, 0.6497



# Inverse Universe

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



36.5130, 23.7920, 97.2756



30.5149, 17.0287, 96.2863



56.0970, 33.8879, 98.1921



17.6078, 17.6896, 22.7363



11.7808, 4.9837, 49.7756

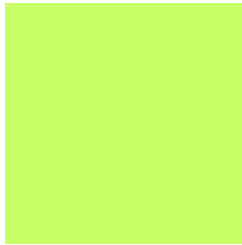


1.2603, 0.5436, 4.8518



# Previews

## White Background



This preview shows how the XYZ color 62.2457, 84.8968, 25.6764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

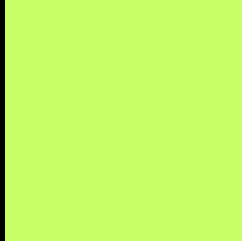
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2457, 84.8968, 25.6764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

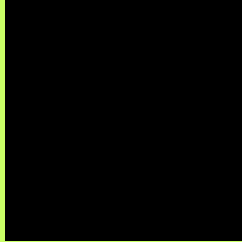
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.2457, 84.8968, 25.6764

## Background



This preview shows how black text looks on a background with the XYZ color 62.2457, 84.8968, 25.6764.



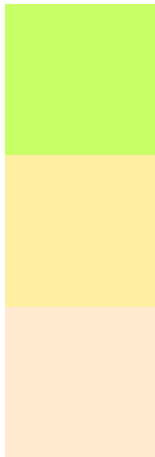
This preview shows how white text looks on a background with the XYZ color 62.2457, 84.8968,

25.6764.

# 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

62.2457, 84.8968, 25.6764

### Protanopia

77.8694, 84.3664, 45.4379

### Deuteranopia

81.7641, 84.0919, 71.5964



## Tritanopia

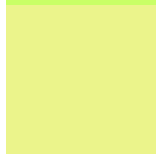
79.3479, 84.6410, 106.7630

# Trichromacy



## Original Color

62.2457, 84.8968, 25.6764



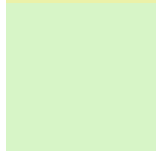
## Protanomaly

71.2718, 84.2276, 36.9272



## Deuteranomaly

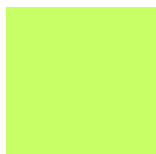
72.8777, 83.4373, 49.8001



## Tritanomaly

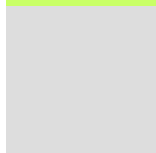
70.9855, 83.8754, 66.4811

# Monochromacy



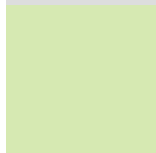
## Original Color

62.2457, 84.8968, 25.6764



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

64.9064, 75.7883, 53.3272

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2457, 84.8968, 25.6764 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(201, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2457, 84.8968, 25.6764 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(201, 255, 102) }
```



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

```
.border{ border-color:rgb(201, 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(201, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2457, 84.8968, 25.6764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 102) }
```

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

```
.background{ background-color: rgb(201,  
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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