

# Converting Colors

XYZ(52.3078, 41.7860, 99.9163)

Have a look what the booklet for  
XYZ(52.3078, 41.7860, 99.9163)  
contains.

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# Color

**XYZ(52.2062, 41.7382,  
99.9125)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C499FF
RGB	196, 153, 255
RGB Percent	77%, 60%, 100%
CMY	0.2314, 0.4000, 0.0000
CMYK	0.23, 0.40, 0.00, 0.00
HSL	265°, 100%, 80%
HSV	265°, 40%, 100%
XYZ	52.2062, 41.7382, 99.9125
YIQ	177.4850, -7.1140, 40.8380

# Conversions

## Conversions Part 2

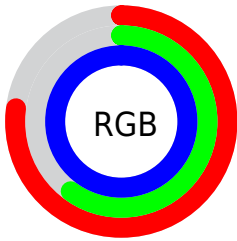
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">196, 153, 255</a>
Decimal	<a href="#">12884479</a>
CIELab	<a href="#">70.69, 35.81, -44.88</a>
CIELCh	<a href="#">71, 57.422, 308.588</a>
Yxy	<a href="#">41.7382, 0.2693, 0.2153</a>
Android (android.graphics.Color)	<a href="#">4291074559 (0xFFC499FF)</a>
YUV	<a href="#">177.4850, 38.2149, 16.2377</a>
Hunter-Lab	<a href="#">64.6051, 31.1836, -46.4691</a>

# Details

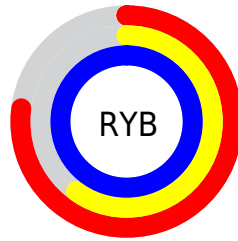
The XYZ color **52.2062, 41.7382, 99.9125** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.6616, 87.8171, 43.4701**, and the grayscale version is **41.8540, 44.0337, 47.9527**.

A 20% lighter version of the original color is **81.4789, 73.4026, 104.4815**, and **25.6619, 18.9600, 55.7332** is the 20% darker color. If you saturate the color by 10%, you get **44.8201, 32.3836, 98.4961**, and if you desaturate by 10%, it is **60.8640, 53.0739, 101.6442**.

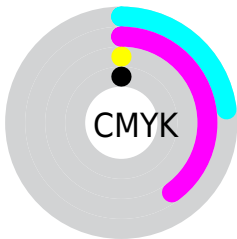
# Distribution



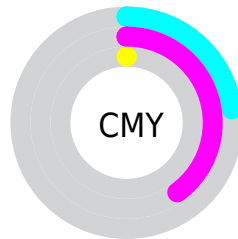
- Red (77%)
- Green (60%)
- Blue (100%)



- Red (77%)
- Yellow (60%)
- Blue (100%)



- Cyan (23%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (23%)
- Magenta (40%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2062, 41.7382, 99.9125 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 52.2062, 41.7382, 99.9125 by changing the saturation by 10% instead.




 52.2062, 41.7382,  
99.9125


 52.2062, 41.7382,  
99.9125


385.5430,  
353.3965, 581.1564

 37.3944, 28.8964,  
75.6110

 92.6077, 77.8032,  
163.0878

 25.6881, 19.0024,  
55.6088


 118.9281,  
101.7952, 202.7986

 16.7219, 11.6720,  
39.4875


149.8154,  
130.2727, 248.4829

 10.1305, 6.5208,  
26.8284

185.6350,  
163.6201, 300.5593

 5.5485, 3.1642,  
17.2131

226.7522,  
202.2218, 359.4464

 2.6106, 1.2181,  
10.2230

273.5323,

 0.9513, 0.0764,

246.4622, 425.5625

5.4395

326.3408,  
296.7256, 499.3263

■ 0.0000, 0.0000,  
2.4442

■ 0.0000, 0.0000,  
0.8104

■ 52.2062, 41.7382,  
99.9125

■ 52.2062, 41.7382,  
99.9125

■ 44.8201, 32.3836,  
98.4961

■ 60.8640, 53.0739,  
101.6442

■ 38.6334, 24.8850,  
97.3748

■ 70.8520, 66.4959,  
103.7084

■ 33.5721, 19.1102,  
96.5269

■ 82.2297, 82.1071,  
106.1220

■ 29.5512, 14.9067,  
95.9275

95.0500, 100.0000,  
108.9000

■ 26.4706, 12.0932,  
95.5468

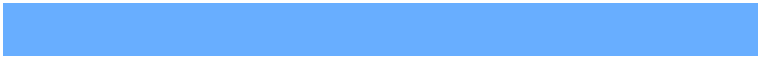
■ 24.1743, 10.3772,  
95.3366

■ 24.1740, 10.3770,  
95.3366

# Harmonies

## Analogous

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



42.4650, 41.7382, 119.4017



52.2062, 41.7382, 99.9125



59.2496, 41.7382, 67.3751

# Triad

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



52.2062, 41.7382, 99.9125



46.7293, 41.7382, 12.0443



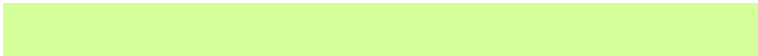
24.1957, 41.7382, 53.7244

# Complementary

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



52.2062, 41.7382, 99.9125



68.6616, 87.8171, 43.4701

# 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.



24.9641, 41.7382, 28.8804



52.2062, 41.7382, 99.9125



37.0021, 41.7382, 10.8377

# Square

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



52.2062, 41.7382, 99.9125



55.7524, 41.7382, 19.9797



29.3223, 41.7382, 15.5682



27.0237, 41.7382, 86.5680



# Rectangle

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



52.2062, 41.7382, 99.9125



60.9069, 41.7382, 46.7489



29.3223, 41.7382, 15.5682



24.0525, 41.7382, 44.1671

# Sweetspot

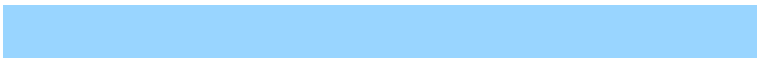
The Sweet Spot groups the original color and five complimentary colors.



52.2076, 41.7398, 99.9127



79.8387, 78.8028, 105.6103



54.8566, 61.3307, 103.5545



16.7614, 16.4159, 22.5351



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.



52.2076, 41.7398, 99.9127



46.1983, 34.1010, 98.7550



67.6236, 49.6870, 100.6341



17.7288, 17.7519, 22.7420



12.7930, 5.5055, 49.8230



1.3670, 0.5986, 4.8568



# Inverse Universe

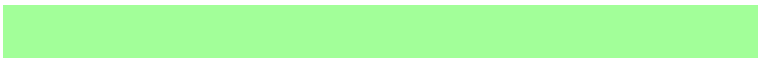
The Inverse Universe completely reimagines the original color for something new.



64.5155, 48.7971, 68.3061



60.4000, 42.2566, 61.7223



56.3096, 81.4495, 42.8920



18.4499, 18.1633, 20.9864



24.3973, 12.2482, 16.0086

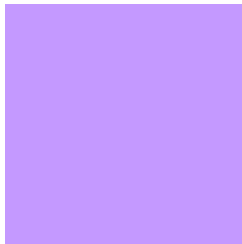


2.4301, 1.2144, 1.8463



# Previews

## White Background



This preview shows how the XYZ color 52.2062, 41.7382, 99.9125 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

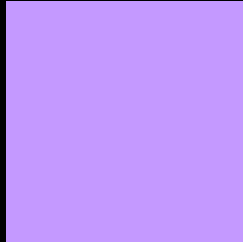
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2062, 41.7382, 99.9125 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

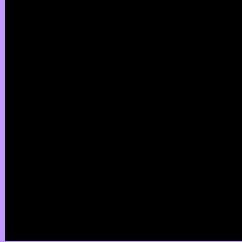
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 52.2062, 41.7382, 99.9125

## Background



This preview shows how black text looks on a background with the XYZ color 52.2062, 41.7382, 99.9125.



This preview shows how white text looks on a background with the XYZ color 52.2062, 41.7382,



# 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

52.2062, 41.7382, 99.9125

### Protanopia

43.9263, 41.8987, 100.3798

### Deuteranopia

43.1496, 42.1328, 97.1250



## Tritanopia

42.1599, 41.8206, 50.1061

# Trichromacy



## Original Color

52.2062, 41.7382, 99.9125

## Protanomaly

46.4297, 41.5574, 100.1820

## Deuteranomaly

45.7238, 41.5156, 97.6989

## Tritanomaly

45.3449, 41.4892, 65.9399

# Monochromacy



## Original Color

52.2062, 41.7382, 99.9125

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

44.7892, 42.6034, 63.6202

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2062, 41.7382, 99.9125 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(196, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 153, 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(196, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 153, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2062, 41.7382, 99.9125 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(196, 153, 255) }
```



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

```
.border{ border-color:rgb(196, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 153,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2062, 41.7382, 99.9125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 153, 255) }
```

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

```
.background{ background-color: rgb(196,  
153, 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](#).

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