

# Converting Colors

XYZ(53.2125, 42.2570, 99.9596)

Have a look what the booklet for  
XYZ(53.2125, 42.2570, 99.9596)  
contains.

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# Color

**XYZ(53.2607, 42.2818,  
99.9618)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C899FF
RGB	200, 153, 255
RGB Percent	78%, 60%, 100%
CMY	0.2157, 0.4000, 0.0000
CMYK	0.22, 0.40, 0.00, 0.00
HSL	268°, 100%, 80%
HSV	268°, 40%, 100%
XYZ	53.2607, 42.2818, 99.9618
YIQ	178.6810, -4.7300, 41.6860

# Conversions

## Conversions Part 2

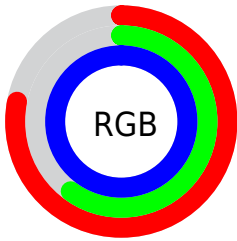
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">200, 153, 255</a>
Decimal	<a href="#">13146623</a>
CIELab	<a href="#">71.06, 36.94, -44.27</a>
CIELCh	<a href="#">71, 57.656, 309.841</a>
Yxy	<a href="#">42.2818, 0.2724, 0.2163</a>
Android (android.graphics.Color)	<a href="#">4291336703</a> ( <a href="#">0xFFC899FF</a> )
YUV	<a href="#">178.6810, 37.6253, 18.6968</a>
Hunter-Lab	<a href="#">65.0245, 32.4143, -45.6291</a>

# Details

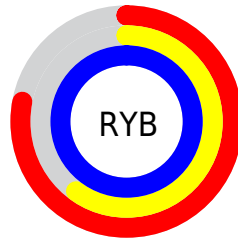
The XYZ color **53.2607, 42.2818, 99.9618** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.5226, 87.2300, 43.4168**, and the grayscale version is **42.4874, 44.7001, 48.6784**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **26.3483, 19.3139, 55.7653** is the 20% darker color. If you saturate the color by 10%, you get **46.0159, 33.0000, 98.5521**, and if you desaturate by 10%, it is **61.7303, 53.5205, 101.6847**.

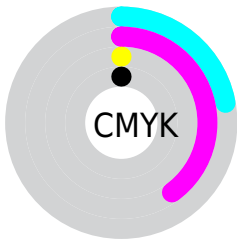
# Distribution



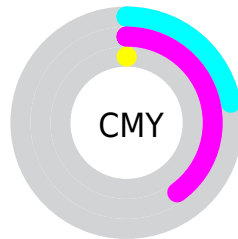
- Red (78%)
- Green (60%)
- Blue (100%)



- Red (78%)
- Yellow (60%)
- Blue (100%)



- Cyan (22%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)




- Cyan (22%)
- Magenta (40%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2607, 42.2818, 99.9618 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 53.2607, 42.2818, 99.9618 by changing the saturation by 10% instead.





 53.2607, 42.2818,  
99.9618


 53.2607, 42.2818,  
99.9618


389.5290,  
355.6498, 581.3158

 38.2392, 29.3220,  
75.6519

 94.1511, 78.6259,  
163.1561

 26.3465, 19.3246,  
55.6422

 120.7508,  
102.7791, 202.8776

 17.2171, 11.9050,  
39.5141


151.9407,  
131.4321, 248.5734

 10.4856, 6.6790,  
26.8490

188.0860,  
164.9695, 300.6621

 5.7868, 3.2622,  
17.2284

229.5521,  
203.7755, 359.5621

 2.7553, 1.2701,  
10.2338

276.7044,

 1.0257, 0.1179,

248.2347, 425.6920

5.4466

329.9083,  
298.7313, 499.4704

■ 0.0000, 0.0000,  
2.4483

■ 0.0000, 0.0000,  
0.8126

■ 53.2607, 42.2818,  
99.9618

■ 53.2607, 42.2818,  
99.9618

■ 46.0159, 33.0000,  
98.5521

■ 61.7303, 53.5205,  
101.6847

■ 39.9258, 25.5512,  
97.4353

■ 71.4810, 66.8202,  
103.7379

■ 34.9186, 19.8044,  
96.5900

■ 82.5707, 82.2829,  
106.1380

■ 30.9118, 15.6081,  
95.9912

95.0500, 100.0000,  
108.9000

■ 27.8081, 12.7826,  
95.6094

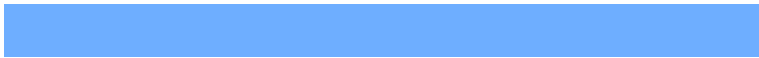
■ 25.4542, 11.0371,  
95.3965

■ 25.4539, 11.0368,  
95.3965

# Harmonies

## Analogous

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



43.4373, 42.2818, 120.5795



53.2607, 42.2818, 99.9618



60.2039, 42.2818, 66.8458

# Triad

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



53.2607, 42.2818, 99.9618



46.9149, 42.2818, 12.0369



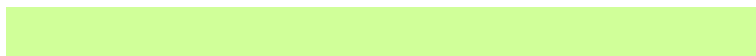
24.5607, 42.2818, 55.7127

# Complementary

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



53.2607, 42.2818, 99.9618



67.5226, 87.2300, 43.4168

# 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.



25.1868, 42.2818, 30.0693



53.2607, 42.2818, 99.9618



37.1041, 42.2818, 11.0553

# Square

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



53.2607, 42.2818, 99.9618



56.1534, 42.2818, 19.7290



29.4505, 42.2818, 16.1378



27.5772, 42.2818, 89.0720



# Rectangle

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



53.2607, 42.2818, 99.9618



61.7016, 42.2818, 46.1849



29.4505, 42.2818, 16.1378



24.3650, 42.2818, 45.8908

# Sweetspot

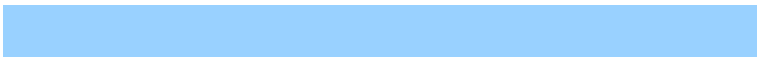
The Sweet Spot groups the original color and five complimentary colors.



53.2621, 42.2834, 99.9620



80.2414, 79.0105, 105.6291



54.0130, 59.6435, 103.2733



16.8560, 16.4647, 22.5395



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.



53.2621, 42.2834, 99.9620



47.3695, 34.7047, 98.8098



68.8304, 50.3092, 100.6906



17.7984, 17.7878, 22.7453



13.4681, 5.8535, 49.8546



1.4357, 0.6340, 4.8600



# Inverse Universe

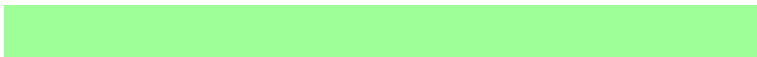
The Inverse Universe completely reimagines the original color for something new.



64.0170, 48.5977, 65.6810



59.8351, 42.0306, 58.7478



55.6310, 81.0996, 42.8603



18.4190, 18.1509, 20.8234



24.0031, 12.0905, 13.9329

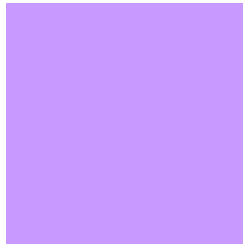


2.3923, 1.1993, 1.6472



# Previews

## White Background



This preview shows how the XYZ color 53.2607, 42.2818, 99.9618 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

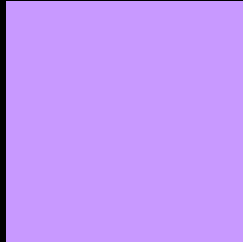
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2607, 42.2818, 99.9618 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

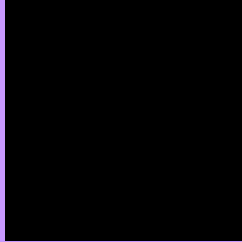
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.2607, 42.2818, 99.9618**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.2607, 42.2818, 99.9618.



This preview shows how white text looks on a background with the XYZ color 53.2607, 42.2818,



# 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

53.2607, 42.2818, 99.9618

### Protanopia

44.4670, 42.4568, 100.4591

### Deuteranopia

43.8578, 42.7815, 97.2129



## Tritanopia

43.1250, 42.3181, 50.1513

# Trichromacy



## Original Color

53.2607, 42.2818, 99.9618



## Protanomaly

47.0513, 41.8779, 100.2111



## Deuteranomaly

46.5167, 42.1932, 97.7879

# Monochromacy



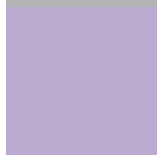
## Original Color

53.2607, 42.2818, 99.9618



## Achromatopsia

42.8472, 45.0786, 49.0906



## Achromatomaly

46.1307, 43.8192, 65.0581

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2607, 42.2818, 99.9618 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(200, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 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(200, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 153, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2607, 42.2818, 99.9618 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(200, 153, 255) }
```



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

```
.border{ border-color:rgb(200, 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(200, 153, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 153,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2607, 42.2818, 99.9618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 153, 255) }
```

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

```
.background{ background-color: rgb(200,  
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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