

# Converting Colors

XYZ(51.7492, 44.4809, 92.2444)

Have a look what the booklet for  
XYZ(51.7492, 44.4809, 92.2444)  
contains.

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# Color

**XYZ(51.7492, 44.4809,  
92.2444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1A4F5
RGB	193, 164, 245
RGB Percent	76%, 64%, 96%
CMY	0.2431, 0.3568, 0.0392
CMYK	0.21, 0.33, 0.00, 0.04
HSL	261°, 80%, 80%
HSV	261°, 33%, 96%
XYZ	51.7492, 44.4809, 92.2444
YIQ	181.9050, -8.7170, 31.3390

# Conversions

## Conversions Part 2

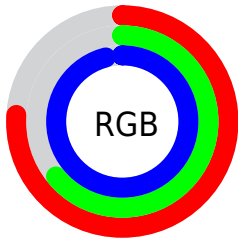
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">193, 164, 245</a>
Decimal	<a href="#">12690677</a>
CIELab	<a href="#">72.55, 26.60, -36.57</a>
CIELCh	<a href="#">73, 45.227, 306.033</a>
Yxy	<a href="#">44.4809, 0.2746, 0.2360</a>
Android (android.graphics.Color)	<a href="#">4290880757</a> ( <a href="#">0xFFC1A4F5</a> )
YUV	<a href="#">181.9050, 31.1058, 9.7303</a>
Hunter-Lab	<a href="#">66.6940, 21.7872, -35.3181</a>

# Details

The XYZ color **51.7492, 44.4809, 92.2444** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **67.6733, 82.5851, 47.4975**, and the grayscale version is **44.2525, 46.5571, 50.7007**.

A 20% lighter version of the original color is **82.8059, 78.2070, 105.3389**, and **25.3525, 20.6225, 50.2213** is the 20% darker color. If you saturate the color by 10%, you get **43.9813, 34.5834, 90.7441**, and if you desaturate by 10%, it is **60.7911, 56.2908, 94.0481**.

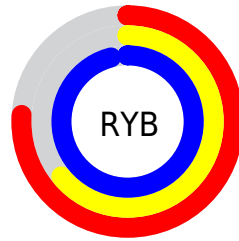
# Distribution



Red (76%)

Green (64%)

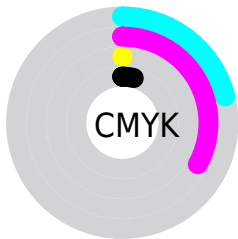
Blue (96%)



Red (76%)

Yellow (64%)

Blue (96%)

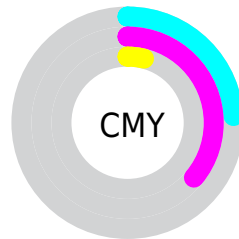


Cyan (21%)

Magenta (33%)

Yellow (0%)

Black (4%)



Cyan (24%)

Magenta (36%)


Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7492, 44.4809, 92.2444 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 51.7492, 44.4809, 92.2444 by changing the saturation by 10% instead.




 51.7492, 44.4809,  
92.2444


 51.7492, 44.4809,  
92.2444


383.8075,  
364.6671, 556.0625

 37.0287, 31.0488,  
69.2595


 91.9377, 81.9409,  
152.4147

 25.4035, 20.6360,  
50.4500


 118.1363,  
106.7375, 190.4372

 16.5082, 12.8582,  
35.3974


148.8917,  
136.0911, 234.3093

 9.9776, 7.3310,  
23.6832

184.5693,  
170.3860, 284.4495

 5.4463, 3.6699,  
14.8887

225.5342,  
210.0067, 341.2763

 2.5488, 1.4907,  
8.5956

272.1520,

 0.9199, 0.2822,

255.3375, 405.2084

4.3852

324.7880,  
306.7628, 476.6643

■ 0.0000, 0.0000,  
1.8389

■ 0.0000, 0.0000,  
0.4535

■ 51.7492, 44.4809,  
92.2444

■ 51.7492, 44.4809,  
92.2444

■ 43.9813, 34.5834,  
90.7441

■ 60.7911, 56.2908,  
94.0481

■ 37.4209, 26.4888,  
89.5275

■ 71.1599, 70.1039,  
96.1678

■ 32.0020, 20.0845,  
88.5769

■ 82.9110, 86.0115,  
98.6189

■ 27.6496, 15.2423,  
87.8717

■ 93.4816, 99.3726,  
100.6408

■ 24.2785, 11.8152,  
87.3879

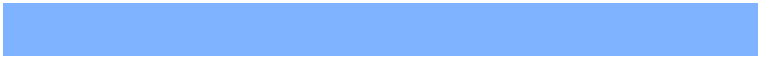
■ 21.7876, 9.6256,  
87.0965

■ 20.4793, 8.6535,  
86.9779

# Harmonies

## Analogous

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



43.8770, 44.4809, 105.0847



51.7492, 44.4809, 92.2444



57.5518, 44.4809, 68.1052

# Triad

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



51.7492, 44.4809, 92.2444



48.6815, 44.4809, 18.7870



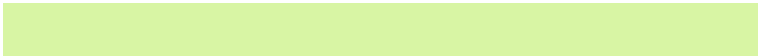
29.0238, 44.4809, 53.0980

# Complementary

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



51.7492, 44.4809, 92.2444



67.6733, 82.5851, 47.4975

# 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.



29.9778, 44.4809, 32.9672



51.7492, 44.4809, 92.2444



40.7179, 44.4809, 16.9997

# Square

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



51.7492, 44.4809, 92.2444



55.6335, 44.4809, 27.2685



34.0388, 44.4809, 21.2972



31.2514, 44.4809, 78.4203



# Rectangle

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



51.7492, 44.4809, 92.2444



59.1132, 44.4809, 51.4716



34.0388, 44.4809, 21.2972



28.9871, 44.4809, 45.5147

# Sweetspot

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



51.7507, 44.4827, 92.2454



81.6796, 81.8221, 106.0960



56.5154, 63.9320, 95.7484



17.1072, 17.0069, 22.6310



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.



51.7507, 44.4827, 92.2454



50.5564, 40.8877, 99.8353



63.3135, 50.4435, 92.7865



16.1411, 16.2154, 20.8217



11.1695, 4.7324, 46.8628



1.0896, 0.4716, 4.1238



# Inverse Universe

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



63.3275, 50.9228, 71.4584



65.3492, 49.1297, 72.6991



57.2930, 77.2338, 47.0117



16.9471, 16.6617, 19.4679



23.6463, 11.8019, 18.6434

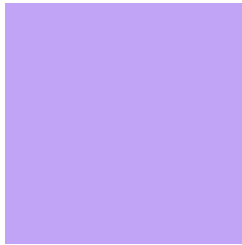


2.1272, 1.0569, 1.8963



# Previews

## White Background



This preview shows how the XYZ color 51.7492, 44.4809, 92.2444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

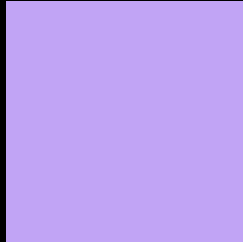
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7492, 44.4809, 92.2444 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

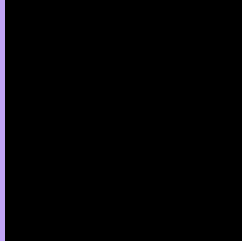
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.7492, 44.4809, 92.2444**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7492, 44.4809, 92.2444.



This preview shows how white text looks on a background with the XYZ color 51.7492, 44.4809,



# 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

51.7492, 44.4809, 92.2444

### Protanopia

46.3562, 44.5880, 99.9290

### Deuteranopia

46.0011, 44.8927, 91.0347



## Tritanopia

44.0437, 44.4013, 54.3931

# Trichromacy



## Original Color

51.7492, 44.4809, 92.2444

## Protanomaly

48.1239, 44.4157, 97.3035

## Deuteranomaly

47.8762, 44.6946, 91.6915

## Tritanomaly

46.5651, 44.2941, 66.4170

# Monochromacy



## Original Color

51.7492, 44.4809, 92.2444

## Achromatopsia

44.4628, 46.7784, 50.9417

## Achromatomaly

46.5991, 45.5068, 64.0853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7492, 44.4809, 92.2444 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(193, 164, 245)` looks like.

```
.text, #text, p{  
    color:rgb(193, 164, 245)  
}
```

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(193, 164, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 164, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7492, 44.4809, 92.2444 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(193, 164, 245) }
```



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

```
.border{ border-color:rgb(193, 164, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 164, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 164, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 164, 245);  
box-shadow:4px 4px 4px 4px rgb(193, 164,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7492, 44.4809, 92.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 164, 245) }
```

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

```
.background{ background-color: rgb(193,  
164, 245) }
```

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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