

# Converting Colors

XYZ(49.7305, 47.0899, 92.0561)

Have a look what the booklet for  
XYZ(49.7305, 47.0899, 92.0561)  
contains.

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# Color

**XYZ(49.7305, 47.0899,  
92.0561)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AFB1F4
RGB	175, 177, 244
RGB Percent	69%, 69%, 96%
CMY	0.3137, 0.3059, 0.0431
CMYK	0.28, 0.27, 0.00, 0.04
HSL	238°, 76%, 82%
HSV	238°, 28%, 96%
XYZ	49.7305, 47.0899, 92.0561
YIQ	184.0400, -22.6990, 20.4130

# Conversions

## Conversions Part 2

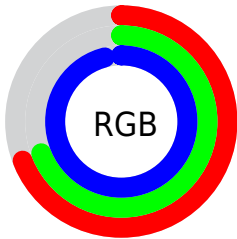
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	175, 177, 244
Decimal	11514356
CIE Lab	74.25, 13.90, -33.52
CIE LCh	74, 36.287, 292.531
Yxy	47.0899, 0.2633, 0.2493
Android (android.graphics.Color)	4289704436 (0xFFAFB1F4)
YUV	184.0400, 29.5603, -7.9281
Hunter-Lab	68.6221, 9.2705, -31.5017

# Details

The XYZ color **49.7305, 47.0899, 92.0561** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76.7991, 85.8333, 53.0789**, and the grayscale version is **45.4343, 47.8004, 52.0546**.

A 20% lighter version of the original color is **80.4676, 82.6536, 106.3204**, and **24.2959, 22.3630, 50.6129** is the 20% darker color. If you saturate the color by 10%, you get **40.4604, 35.9575, 90.3967**, and if you desaturate by 10%, it is **60.8056, 60.3609, 94.0348**.

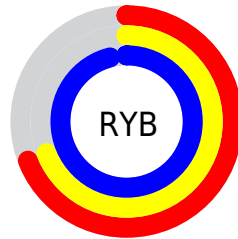
# Distribution



Red (69%)

Green (69%)

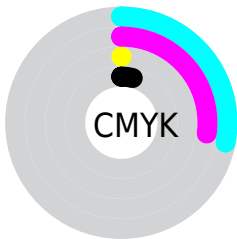
Blue (96%)



Red (69%)

Yellow (69%)

Blue (96%)

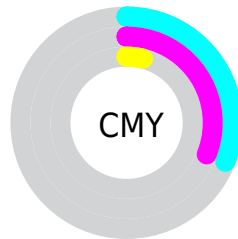


Cyan (28%)

Magenta (27%)

Yellow (0%)

Black (4%)



Cyan (31%)

Magenta (31%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7305, 47.0899, 92.0561 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 49.7305, 47.0899, 92.0561 by changing the saturation by 10% instead.



■ 49.7305, 47.0899,  
92.0561

■ 49.7305, 47.0899,  
92.0561

376.0805,  
375.1733, 555.4386

■ 35.4162, 33.1067,  
69.1039

■ 88.9697, 85.8478,  
152.1515

■ 24.1517, 22.2082,  
50.3241

114.6253,  
111.3913, 190.1318

■ 15.5715, 14.0100,  
35.2980

144.7920,  
141.5571, 233.9586

■ 9.3104, 8.1276,  
23.6071

179.8353,  
176.7295, 284.0504

■ 5.0029, 4.1767,  
14.8329

220.1204,  
217.2929, 340.8258

■ 2.2837, 1.7729,  
8.5569

266.0127,

■ 0.7863, 0.4702,

263.6317, 404.7032

4.3605

317.8777,  
316.1304, 476.1013

■ 0.0000, 0.0000,  
1.8251

■ 0.0000, 0.0000,  
0.4444

■ 49.7305, 47.0899,  
92.0561

■ 49.7305, 47.0899,  
92.0561

■ 40.4604, 35.9575,  
90.3967

■ 60.8056, 60.3609,  
94.0348

■ 32.8954, 26.8466,  
89.0369

■ 73.7693, 75.8683,  
96.3447

■ 26.9328, 19.6377,  
87.9597

■ 88.7055, 93.7106,  
99.0014

■ 22.4573, 14.1960,  
87.1452

■ 93.3293, 99.3117,  
99.8388

■ 19.3380, 10.3695,  
86.5710

■ 17.4214, 7.9803,  
86.2109

■ 16.5033, 6.8017,  
86.0318

■ 16.4061, 6.6853,  
86.0144

# Harmonies

## Analogous

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



43.1489, 47.0899, 95.6978



49.7305, 47.0899, 92.0561



55.4527, 47.0899, 76.3371

# Triad

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



49.7305, 47.0899, 92.0561



52.8177, 47.0899, 27.7470



33.4518, 47.0899, 46.7496

# Complementary

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



49.7305, 47.0899, 92.0561



76.7991, 85.8333, 53.0789

# 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.



35.5343, 47.0899, 32.4004



49.7305, 47.0899, 92.0561



46.4056, 47.0899, 23.2961

# Square

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



49.7305, 47.0899, 92.0561



57.3523, 47.0899, 38.7195



40.1277, 47.0899, 24.7641



34.1565, 47.0899, 66.2828



# Rectangle

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



49.7305, 47.0899, 92.0561



57.7997, 47.0899, 62.8129



40.1277, 47.0899, 24.7641



33.8415, 47.0899, 41.2407

# Sweetspot

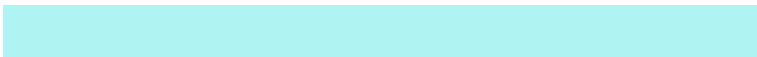
The Sweet Spot groups the original color and five complimentary colors.



49.7321, 47.0918, 92.0572



81.9422, 84.3405, 106.5683



66.0131, 80.2092, 95.7719



17.0452, 17.4621, 22.7221



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.



49.7321, 47.0918, 92.0572



48.7901, 44.6331, 100.6513



57.4486, 50.4875, 92.3059



15.6197, 16.0036, 20.8083



8.9375, 3.6687, 46.7751



0.7988, 0.3491, 4.1155



# Inverse Universe

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



60.5754, 53.0690, 48.6475



62.6310, 52.3093, 45.2306



67.1835, 81.7649, 52.8004



16.5186, 16.4903, 17.2116



20.3157, 10.4697, 1.1051

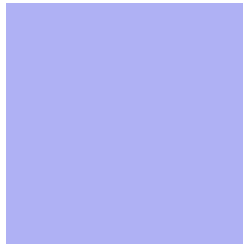


1.7923, 0.9229, 0.1325



# Previews

## White Background



This preview shows how the XYZ color 49.7305, 47.0899, 92.0561 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

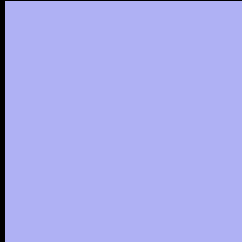
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.7305, 47.0899, 92.0561 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

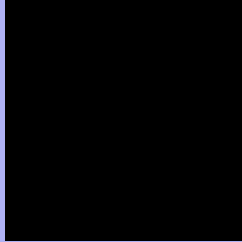
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 49.7305, 47.0899, 92.0561**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.7305, 47.0899, 92.0561.



This preview shows how white text looks on a background with the XYZ color 49.7305, 47.0899,



# 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

49.7305, 47.0899, 92.0561

### Protanopia

48.0601, 47.0829, 93.7436

### Deuteranopia

48.2248, 47.2206, 91.3668



## Tritanopia

43.5002, 46.9750, 61.4180

# Trichromacy



## Original Color

49.7305, 47.0899, 92.0561

## Protanomaly

48.5379, 47.0483, 92.9092

## Deuteranomaly

48.6599, 47.1463, 91.3295

## Tritanomaly

45.4848, 46.8488, 71.6112

# Monochromacy



## Original Color

49.7305, 47.0899, 92.0561

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

46.7205, 47.3277, 65.0653

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.7305, 47.0899, 92.0561 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(175, 177, 244)` looks like.

```
.text, #text, p{  
    color:rgb(175, 177, 244)  
}
```

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(175, 177, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 177, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 49.7305, 47.0899, 92.0561 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(175, 177, 244) }
```



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

```
.border{ border-color:rgb(175, 177, 244) }
```

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

Here you see how a box with a 4 pixel rgb(175, 177, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 177, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 177, 244);  
box-shadow:4px 4px 4px 4px rgb(175, 177,  
244) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.7305, 47.0899, 92.0561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 177, 244) }
```

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

```
.background{ background-color: rgb(175,  
177, 244) }
```

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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