

# Converting Colors

XYZ(44.9230, 43.8190, 75.1975)

Have a look what the booklet for  
XYZ(44.9230, 43.8190, 75.1975)  
contains.

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# Color

**XYZ(44.9230, 43.8190,  
75.1975)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABADDE
RGB	171, 173, 222
RGB Percent	67%, 68%, 87%
CMY	0.3294, 0.3216, 0.1294
CMYK	0.23, 0.22, 0.00, 0.13
HSL	238°, 44%, 77%
HSV	238°, 23%, 87%
XYZ	44.9230, 43.8190, 75.1975
YIQ	177.9880, -16.9210, 14.8150

# Conversions

## Conversions Part 2

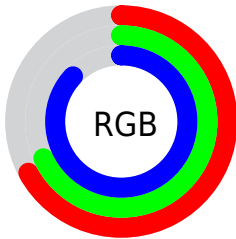
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 173, 222
Decimal	11251166
CIELab	72.11, 9.70, -24.88
CIELCh	72, 26.701, 291.308
Yxy	43.8190, 0.2740, 0.2673
Android (android.graphics.Color)	4289441246 (0xFFABADDE)
YUV	177.9880, 21.6979, -6.1285
Hunter-Lab	66.1959, 5.2938, -21.0153

# Details

The XYZ color **44.9230, 43.8190, 75.1975** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.0687, 69.6566, 48.6504**, and the grayscale version is **42.2070, 44.4051, 48.3571**.

A 20% lighter version of the original color is **77.4720, 79.0377, 105.7803**, and **21.2836, 20.3163, 39.3589** is the 20% darker color. If you saturate the color by 10%, you get **36.7189, 33.9960, 73.7346**, and if you desaturate by 10%, it is **54.5949, 55.3700, 76.9180**.

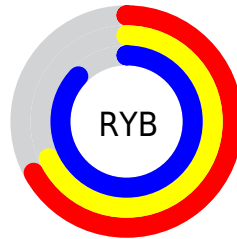
# Distribution



Red (67%)

Green (68%)

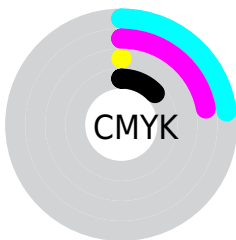
Blue (87%)



Red (67%)

Yellow (68%)

Blue (87%)

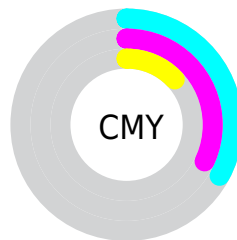


Cyan (23%)

Magenta (22%)

Yellow (0%)

Black (13%)



Cyan (33%)

Magenta (32%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9230, 43.8190, 75.1975 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 44.9230, 43.8190, 75.1975 by changing the saturation by 10% instead.



■ 44.9230, 43.8190,  
75.1975

■ 44.9230, 43.8190,  
75.1975

357.2506,  
361.9692, 497.8696

■ 31.5978, 30.5282,  
55.2720

■ 81.8426, 80.9453,  
128.3416

■ 21.2085, 20.2399,  
39.2195

106.1678,  
105.5497, 162.3972

■ 13.3898, 12.5695,  
26.6214

134.8903,  
134.6940, 202.0000

■ 7.7764, 7.1328,  
17.0591

168.3755,  
168.7627, 247.5684

■ 4.0028, 3.5453,  
10.1143

206.9888,  
208.1402, 299.5211

■ 1.7037, 1.4226,  
5.3682

251.0955,

■ 0.4586, 0.2333,

253.2108, 358.2764

2.4024

301.0609,  
304.3590, 424.2531

■ 0.0000, 0.0000,  
0.7877

■ 0.0000, 0.0000,  
0.0000

■ 44.9230, 43.8190,  
75.1975

■ 44.9230, 43.8190,  
75.1975

■ 36.7189, 33.9960,  
73.7346

■ 54.5949, 55.3700,  
76.9180

■ 29.9069, 25.8129,  
72.5141

■ 65.7971, 68.7207,  
78.9046

■ 24.4111, 19.1820,  
71.5239

■ 78.5932, 83.9456,  
81.1688

■ 20.1464, 14.0052,  
70.7494

■ 90.1850, 98.0540,  
83.2811

■ 17.0178, 10.1732,  
70.1747

■ 14.9165, 7.5613,  
69.7813

■ 13.7124, 6.0217,  
69.5476

■ 13.2795, 5.4631,  
69.4626

# Harmonies

## Analogous

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



40.3351, 43.8190, 77.1520



44.9230, 43.8190, 75.1975



48.8882, 43.8190, 65.2302

# Triad

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



44.9230, 43.8190, 75.1975



47.3851, 43.8190, 30.6457



33.5545, 43.8190, 44.0095

# Complementary

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



44.9230, 43.8190, 75.1975



63.0687, 69.6566, 48.6504

# 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.



35.1615, 43.8190, 33.6489



44.9230, 43.8190, 75.1975



42.9904, 43.8190, 26.9129

# Square

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



44.9230, 43.8190, 75.1975



50.3804, 43.8190, 39.1409



38.5374, 43.8190, 27.9016



33.9890, 43.8190, 57.4497



# Rectangle

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



44.9230, 43.8190, 75.1975



50.5363, 43.8190, 56.2370



38.5374, 43.8190, 27.9016



33.8693, 43.8190, 40.0943

# Sweetspot

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



44.9244, 43.8208, 75.1985



83.5561, 86.3123, 106.8638



55.7624, 66.0396, 77.1376



17.6831, 18.2345, 22.8376



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.



44.9244, 43.8208, 75.1985



55.3651, 52.6482, 101.8518



49.9842, 45.8638, 75.3262



12.9950, 13.3290, 17.2755



7.9065, 3.2825, 41.2652



0.5635, 0.2584, 2.8654



# Inverse Universe

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



52.2311, 47.6739, 45.9861



67.2032, 58.9373, 54.5125



57.0394, 67.3327, 48.5196



13.7289, 13.7092, 14.3427



17.9310, 9.2394, 1.0366

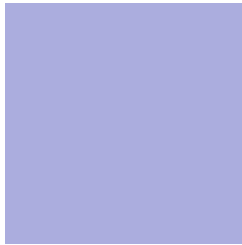


1.2507, 0.6435, 0.1129



# Previews

## White Background



This preview shows how the XYZ color 44.9230, 43.8190, 75.1975 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

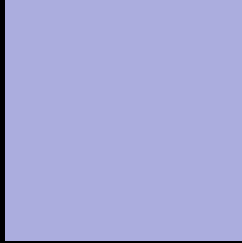
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9230, 43.8190, 75.1975 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 44.9230, 43.8190, 75.1975**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9230, 43.8190, 75.1975.



This preview shows how white text looks on a background with the XYZ color 44.9230, 43.8190,



# 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

44.9230, 43.8190, 75.1975

### Protanopia

44.1663, 43.9870, 75.9746

### Deuteranopia

44.7060, 43.7071, 75.1873



## Tritanopia

40.9519, 43.6459, 56.1353

# Trichromacy



## Original Color

44.9230, 43.8190, 75.1975

## Protanomaly

44.3917, 43.8153, 75.9295

## Deuteranomaly

44.7060, 43.7071, 75.1873

## Tritanomaly

42.2412, 43.5780, 62.6850

# Monochromacy



## Original Color

44.9230, 43.8190, 75.1975

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

42.9421, 44.0597, 57.2800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9230, 43.8190, 75.1975 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(171, 173, 222)` looks like.

```
.text, #text, p{  
    color:rgb(171, 173, 222)  
}
```

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(171, 173, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 173, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9230, 43.8190, 75.1975 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".

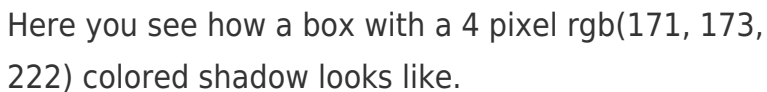
```
.border, #border, table{ border:4px solid rgb(171, 173, 222) }
```



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

```
.border{ border-color:rgb(171, 173, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 173, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 173, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 173, 222); box-shadow:4px 4px 4px 4px rgb(171, 173, 222) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9230, 43.8190, 75.1975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 173, 222) }
```

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

```
.background{ background-color: rgb(171,  
173, 222) }
```

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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