

# Converting Colors

XYZ(50.3901, 42.1874, 81.6654)

Have a look what the booklet for  
XYZ(50.3901, 42.1874, 81.6654)  
contains.

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# Color

**XYZ(50.4419, 42.2195,  
81.8345)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C89DE8
RGB	200, 157, 232
RGB Percent	78%, 62%, 91%
CMY	0.2157, 0.3843, 0.0902
CMYK	0.14, 0.32, 0.00, 0.09
HSL	274°, 62%, 76%
HSV	274°, 32%, 91%
XYZ	50.4419, 42.2195, 81.8345
YIQ	178.4070, 1.5530, 32.4410

# Conversions

## Conversions Part 2

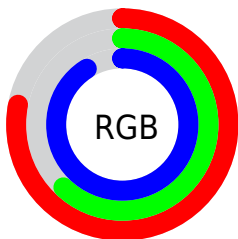
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">200, 157, 232</a>
Decimal	<a href="#">13147624</a>
CIELab	<a href="#">71.02, 29.72, -31.80</a>
CIELCh	<a href="#">71, 43.526, 313.060</a>
Yxy	<a href="#">42.2195, 0.2891, 0.2420</a>
Android (android.graphics.Color)	<a href="#">4291337704 (0xFFC89DE8)</a>
YUV	<a href="#">178.4070, 26.4213, 18.9371</a>
Hunter-Lab	<a href="#">64.9765, 24.8623, -29.1890</a>

# Details

The XYZ color **50.4419, 42.2195, 81.8345** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.9299, 70.9673, 42.6504**, and the grayscale version is **42.3975, 44.6054, 48.5753**.

A 20% lighter version of the original color is **82.8335, 75.5670, 104.8278**, and **24.5651, 19.2575, 43.4966** is the 20% darker color. If you saturate the color by 10%, you get **44.3247, 33.7828, 80.5291**, and if you desaturate by 10%, it is **57.4783, 52.2384, 83.3982**.

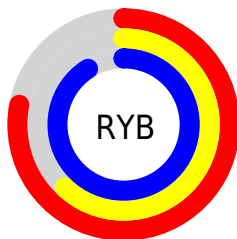
# Distribution



Red (78%)

Green (62%)

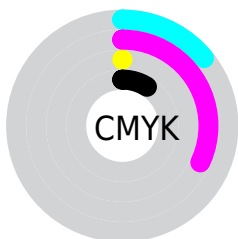
Blue (91%)



Red (78%)

Yellow (62%)

Blue (91%)

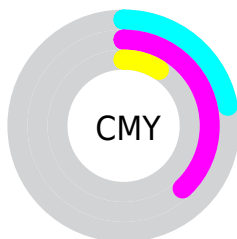


Cyan (14%)

Magenta (32%)

Yellow (0%)

Black (9%)



Cyan (22%)

Magenta (38%)


Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4419, 42.2195, 81.8345 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 50.4419, 42.2195, 81.8345 by changing the saturation by 10% instead.





 50.4419, 42.2195,  
81.8345


 50.4419, 42.2195,  
81.8345


378.8150,  
355.3920, 520.9628

 35.9839, 29.2732,  
60.6941


 90.0172, 78.5317,  
137.7765

 24.5918, 19.2876,  
43.5494


 115.8652,  
102.6664, 173.4152

 15.9003, 11.8783,  
29.9818

146.2405,  
131.2994, 214.7237

 9.5440, 6.6608,  
19.5729

181.5085,  
164.8150, 262.1206

 5.1576, 3.2509,  
11.9040

222.0347,  
203.5977, 316.0244

 2.3758, 1.2641,  
6.5566

268.1842,

 0.8330, 0.1131,

248.0319, 376.8537

3.1122

320.3225,  
298.5018, 445.0270

■ 0.0000, 0.0000,  
1.1522

■ 0.0000, 0.0000,  
0.0000

■ 50.4419, 42.2195,  
81.8345

■ 50.4419, 42.2195,  
81.8345

■ 44.3247, 33.7828,  
80.5291

■ 57.4783, 52.2384,  
83.3982

■ 39.0771, 26.8368,  
79.4650

■ 65.4718, 63.9137,  
85.2304

■ 34.6504, 21.2884,  
78.6274

■ 74.4630, 77.3214,  
87.3445

■ 30.9893, 17.0317,  
77.9987

■ 84.4890, 92.5308,  
89.7518

■ 28.0302, 13.9448,  
77.5588

■ 89.5695, 97.5772,  
90.4580

■ 25.6971, 11.8811,  
77.2835

■ 91.5656, 98.6062,  
90.5515

■ 24.2407, 10.8139,  
77.1542

# Harmonies

## Analogous

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



43.3686, 42.2195, 96.9937



50.4419, 42.2195, 81.8345



55.0301, 42.2195, 58.6399

# Triad

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



50.4419, 42.2195, 81.8345



44.3378, 42.2195, 17.3365



28.0005, 42.2195, 55.6161

# Complementary

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



50.4419, 42.2195, 81.8345



55.9299, 70.9673, 42.6504

# 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.



28.1935, 42.2195, 35.2705



50.4419, 42.2195, 81.8345



37.0537, 42.2195, 16.9732

# Square

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



50.4419, 42.2195, 81.8345



51.2248, 42.2195, 23.7073



31.3262, 42.2195, 22.4968



30.7626, 42.2195, 79.0534



# Rectangle

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



50.4419, 42.2195, 81.8345



55.7568, 42.2195, 43.8670



31.3262, 42.2195, 22.4968



27.7327, 42.2195, 48.1389

# Sweetspot

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



50.4433, 42.2213, 81.8354



83.5578, 82.7903, 106.1839



46.7770, 49.6066, 83.4542



17.5609, 17.2408, 22.6522



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.



50.4433, 42.2213, 81.8354



57.1785, 44.9278, 100.2660



59.2019, 46.8174, 78.5902



14.3700, 14.2930, 18.1458



13.6043, 6.0792, 42.8395



1.1110, 0.5037, 3.1706



# Inverse Universe

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



54.5223, 44.9455, 53.9474



63.2441, 48.9626, 59.5326



49.2842, 67.4910, 44.6138



14.6309, 14.4696, 16.2569



19.7851, 10.0483, 7.7634



1.5078, 0.7608, 0.8144



# Previews

## White Background



This preview shows how the XYZ color 50.4419, 42.2195, 81.8345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

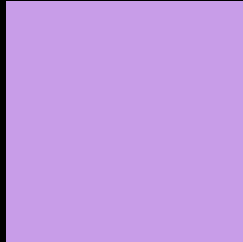
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.4419, 42.2195, 81.8345 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

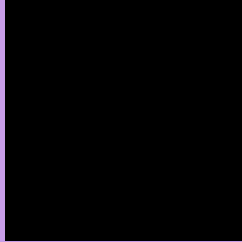
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.4419, 42.2195, 81.8345**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.4419, 42.2195, 81.8345.



This preview shows how white text looks on a background with the XYZ color 50.4419, 42.2195,



# 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

50.4419, 42.2195, 81.8345

### Protanopia

43.8791, 42.6515, 90.7139

### Deuteranopia

43.4037, 42.3600, 80.0174



## Tritanopia

43.7952, 42.1392, 49.0054

# Trichromacy



## Original Color

50.4419, 42.2195, 81.8345



## Protanomaly

45.7609, 42.3044, 87.4151



## Deuteranomaly

45.5983, 42.0996, 80.5856



## Tritanomaly

45.9117, 41.9200, 59.7044

# Monochromacy



## Original Color

50.4419, 42.2195, 81.8345



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

44.8175, 43.2658, 59.4151

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.4419, 42.2195, 81.8345 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, 157, 232)` looks like.

```
.text, #text, p{  
    color:rgb(200, 157, 232)  
}
```

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, 157, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 157, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 50.4419, 42.2195, 81.8345 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, 157, 232) }
```



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

```
.border{ border-color:rgb(200, 157, 232) }
```

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

Here you see how a box with a 4 pixel rgb(200, 157, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 157, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 157, 232);  
box-shadow:4px 4px 4px 4px rgb(200, 157,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.4419, 42.2195, 81.8345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 157, 232) }
```

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

```
.background{ background-color: rgb(200,  
157, 232) }
```

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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