

# Converting Colors

XYZ(41.1620, 31.4725, 49.9211)

Have a look what the booklet for  
XYZ(41.1620, 31.4725, 49.9211)  
contains.

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# Color

**XYZ(41.2482, 31.5189,  
49.8087)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC7FB9
RGB	204, 127, 185
RGB Percent	80%, 50%, 73%
CMY	0.2000, 0.5019, 0.2745
CMYK	0.00, 0.38, 0.09, 0.20
HSL	315°, 43%, 65%
HSV	315°, 38%, 80%
XYZ	41.2482, 31.5189, 49.8087
YIQ	156.6350, 27.2740, 34.3620

# Conversions

## Conversions Part 2

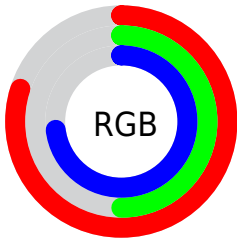
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 127, 185
Decimal	13402041
CIE <sub>Lab</sub>	62.94, 38.28, -17.99
CIE <sub>LCh</sub>	63, 42.298, 334.823
Yxy	31.5189, 0.3365, 0.2571
Android (android.graphics.Color)	4291592121 (0xFFCC7FB9)
YUV	156.6350, 13.9839, 41.5391
Hunter-Lab	56.1417, 32.8988, -13.3027

# Details

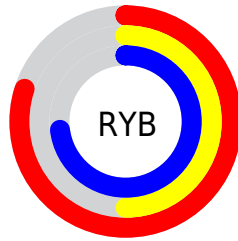
The XYZ color **41.2482, 31.5189, 49.8087** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.5349, 49.7741, 34.9307**, and the grayscale version is **31.8155, 33.4724, 36.4514**.

A 20% lighter version of the original color is **73.6411, 60.6586, 91.0461**, and **18.9620, 13.1307, 23.3649** is the 20% darker color. If you saturate the color by 10%, you get **38.3535, 26.5646, 46.2683**, and if you desaturate by 10%, it is **44.6970, 37.5504, 53.6274**.

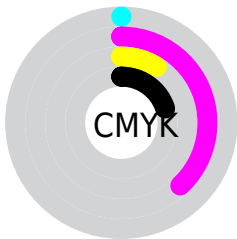
# Distribution



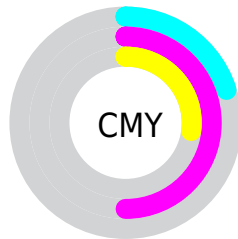
- Red (80%)
- Green (50%)
- Blue (73%)



- Red (80%)
- Yellow (50%)
- Blue (73%)



- Cyan (0%)
- Magenta (38%)
- Yellow (9%)
- Black (20%)




- Cyan (20%)
- Magenta (50%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2482, 31.5189, 49.8087 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 41.2482, 31.5189, 49.8087 by changing the saturation by 10% instead.





 41.2482, 31.5189,  
49.8087


 41.2482, 31.5189,  
49.8087


342.4018,  
308.9218, 402.6310


 28.7016, 20.9943,  
34.8913

 76.3329, 62.0561,  
91.2848

 18.9983, 13.1198,  
23.2963


 99.6016, 82.8375,  
118.6805

 11.7731, 7.5111,  
14.6051


 127.1752,  
107.8066, 151.0728

 6.6605, 3.7838,  
8.3992

159.4188,  
137.3479, 188.8801

 3.2951, 1.5533,  
4.2600

196.6980,  
171.8456, 232.5211

 1.3117, 0.3258,  
1.7690

239.3779,

 0.1919, 0.0000,

211.6842, 282.4142

0.4074

287.8241,  
257.2482, 338.9780

■ 0.0000, 0.0000,  
0.0000

■ 41.2482, 31.5189,  
49.8087

■ 41.2482, 31.5189,  
49.8087

■ 38.3535, 26.5646,  
46.2683

■ 44.6970, 37.5504,  
53.6274

■ 35.9775, 22.6183,  
42.9923

■ 48.7269, 44.7141,  
57.7332

■ 34.0850, 19.6096,  
39.9684

■ 53.3666, 53.0666,  
62.1370

■ 32.6352, 17.4570,  
37.1821

■ 58.6419, 62.6594,  
66.8482

■ 31.5802, 16.0651,  
34.6163

■ 64.5772, 73.5408,  
71.8760

■ 30.8514, 15.2972,  
32.2473

■ 71.1955, 85.7567,  
77.2288

■ 30.7066, 15.1593,  
31.7312

■ 73.6122, 89.5375,  
81.2793

■ 74.2901, 89.8087,  
84.8494

■ 74.9883, 90.0880,  
88.5262

# Harmonies

## Analogous

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



36.8009, 31.5189, 67.8545



41.2482, 31.5189, 49.8087



42.5258, 31.5189, 31.6983

# Triad

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



41.2482, 31.5189, 49.8087



29.0283, 31.5189, 11.2905



21.6907, 31.5189, 56.0233

# Complementary

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



41.2482, 31.5189, 49.8087



35.5349, 49.7741, 34.9307

# 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.



20.1475, 31.5189, 37.0797



41.2482, 31.5189, 49.8087



24.0204, 31.5189, 14.1842

# Square

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



41.2482, 31.5189, 49.8087



34.9662, 31.5189, 12.7433



20.9421, 31.5189, 22.4277



25.4520, 31.5189, 72.1810



# Rectangle

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



41.2482, 31.5189, 49.8087



41.2843, 31.5189, 22.5629



20.9421, 31.5189, 22.4277



20.9191, 31.5189, 49.5793

# Sweetspot

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



41.2492, 31.5203, 49.8094



85.6508, 82.9530, 100.3677



30.1611, 25.5568, 60.4707



18.1042, 17.3434, 21.2671



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.



41.2492, 31.5203, 49.8094



64.4761, 45.6179, 77.8509



37.8009, 30.1410, 31.6508



11.5646, 11.3546, 13.5079



19.3655, 9.5568, 20.1752



1.0280, 0.5046, 1.1934



# Inverse Universe

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



41.2492, 31.5203, 49.8094



64.4761, 45.6179, 77.8509



38.9424, 51.1371, 52.8739



11.5646, 11.3546, 13.5079



19.3655, 9.5568, 20.1752



1.0280, 0.5046, 1.1934



# Previews

## White Background



This preview shows how the XYZ color 41.2482, 31.5189, 49.8087 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

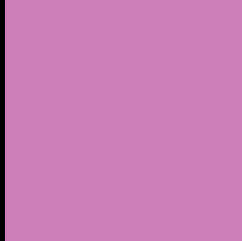
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.2482, 31.5189, 49.8087 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

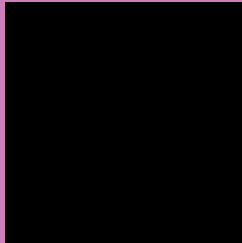
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.2482, 31.5189, 49.8087**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2482, 31.5189, 49.8087.



This preview shows how white text looks on a background with the XYZ color 41.2482, 31.5189,



# 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

41.2482, 31.5189, 49.8087

### Protanopia

32.3747, 31.8865, 60.3255

### Deuteranopia

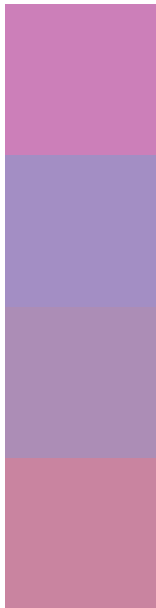
32.4144, 31.7011, 48.1266



## Tritanopia

37.3280, 31.5144, 30.9035

# Trichromacy



## Original Color

41.2482, 31.5189, 49.8087

## Protanomaly

34.7411, 31.1181, 56.3999

## Deuteranomaly

34.9816, 31.1978, 48.4340

## Tritanomaly

38.6838, 31.4581, 37.2909

# Monochromacy



## Original Color

41.2482, 31.5189, 49.8087

## Achromatopsia

32.0474, 33.7164, 36.7171

## Achromatomaly

34.7095, 32.3465, 40.9733

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2482, 31.5189, 49.8087 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(204, 127, 185)` looks like.

```
.text, #text, p{  
    color:rgb(204, 127, 185)  
}
```

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(204, 127, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 127, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2482, 31.5189, 49.8087 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(204, 127, 185) }
```



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

```
.border{ border-color:rgb(204, 127, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 127, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 127, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 127, 185);  
box-shadow:4px 4px 4px 4px rgb(204, 127,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2482, 31.5189, 49.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 127, 185) }
```

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

```
.background{ background-color: rgb(204,  
127, 185) }
```

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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