

# Converting Colors

XYZ(47.8174, 40.7494, 62.5248)

Have a look what the booklet for  
XYZ(47.8174, 40.7494, 62.5248)  
contains.

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# Color

**XYZ(47.7973, 40.7815,  
62.4792)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD9BCC
RGB	205, 155, 204
RGB Percent	80%, 61%, 80%
CMY	0.1961, 0.3921, 0.2000
CMYK	0.00, 0.24, 0.00, 0.20
HSL	301°, 33%, 71%
HSV	301°, 24%, 80%
XYZ	47.7973, 40.7815, 62.4792
YIQ	175.5360, 14.0710, 25.8390

# Conversions

## Conversions Part 2

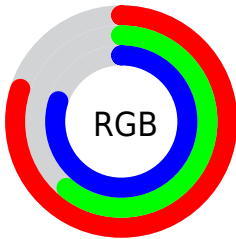
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 155, 204
Decimal	13474764
CIE Lab	70.02, 26.82, -17.88
CIE LCh	70, 32.238, 326.311
Yxy	40.7815, 0.3164, 0.2700
Android (android.graphics.Color)	4291664844 (0xFFCD9BCC)
YUV	175.5360, 14.0328, 25.8399
Hunter-Lab	63.8604, 21.8454, -13.3054

# Details

The XYZ color **47.7973, 40.7815, 62.4792** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.3513, 53.0328, 39.5117**, and the grayscale version is **40.9508, 43.0834, 46.9179**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **22.9329, 18.3865, 31.1944** is the 20% darker color. If you saturate the color by 10%, you get **44.6223, 34.5094, 61.1789**, and if you desaturate by 10%, it is **51.5541, 48.2156, 63.9750**.

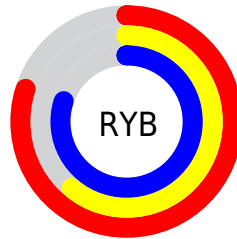
# Distribution



Red (80%)

Green (61%)

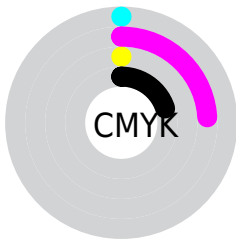
Blue (80%)



Red (80%)

Yellow (61%)

Blue (80%)

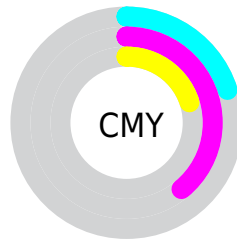


Cyan (0%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (20%)

Magenta (39%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7973, 40.7815, 62.4792 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 47.7973, 40.7815, 62.4792 by changing the saturation by 10% instead.





 47.7973, 40.7815,  
62.4792


 47.7973, 40.7815,  
62.4792

368.5841,  
349.4066, 451.7327

 33.8770, 28.1484,  
44.9817


 86.1141, 76.3521,  
109.9961

 22.9615, 18.4375,  
31.1002


 111.2412,  
100.0584, 140.8526

 14.6857, 11.2646,  
20.4160


140.8346,  
128.2245, 176.9993

 8.6839, 6.2451,  
12.5108

175.2598,  
161.2348, 218.8545

 4.5911, 2.9947,  
6.9658

214.8819,  
199.4738, 266.8369

 2.0417, 1.1290,  
3.3626

260.0665,

 0.6572, 0.0025,

243.3259, 321.3651

1.2826

311.1787,  
293.1753, 382.8575

■ 0.0000, 0.0000,  
0.0475

■ 0.0000, 0.0000,  
0.0000

■ 47.7973, 40.7815,  
62.4792

■ 47.7973, 40.7815,  
62.4792

■ 44.6223, 34.5094,  
61.1789

■ 51.5541, 48.2156,  
63.9750

■ 41.9961, 29.3354,  
60.0617

■ 55.9162, 56.8606,  
65.6727

■ 39.8881, 25.1977,  
59.1179

■ 60.9101, 66.7693,  
67.5817

■ 38.2634, 22.0263,  
58.3358

■ 66.5600, 77.9896,  
69.7100

37.0826, 19.7425,  
57.7023

72.0841, 88.9581,  
71.7970

36.3001, 18.2551,  
57.2023

72.1340, 88.9781,  
72.0599

35.8606, 17.4536,  
56.8172

72.1841, 88.9981,  
72.3235

35.7080, 17.1917,  
56.6327

72.2343, 89.0182,  
72.5878

72.2846, 89.0383,  
72.8528

# Harmonies

## Analogous

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



43.4179, 40.7815, 75.7452



47.7973, 40.7815, 62.4792



49.7517, 40.7815, 46.2931

# Triad

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



47.7973, 40.7815, 62.4792



39.4157, 40.7815, 21.3234



30.3867, 40.7815, 58.5148

# Complementary

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



47.7973, 40.7815, 62.4792



41.3513, 53.0328, 39.5117

# 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.



29.5223, 40.7815, 42.5672



47.7973, 40.7815, 62.4792



34.4507, 40.7815, 23.1775

# Square

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



47.7973, 40.7815, 62.4792



44.6444, 40.7815, 24.4062



30.9431, 40.7815, 30.2018



33.4197, 40.7815, 73.1168



# Rectangle

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



47.7973, 40.7815, 62.4792



49.2972, 40.7815, 36.7582



30.9431, 40.7815, 30.2018



29.8454, 40.7815, 53.0430

# Sweetspot

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



47.7986, 40.7833, 62.4801



89.5602, 89.1123, 106.7866



36.4207, 34.9039, 62.5760



19.0734, 18.8832, 22.8195



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.



47.7986, 40.7833, 62.4801



75.5867, 61.4531, 101.2415



45.0532, 39.6852, 48.0234



11.6775, 11.3997, 14.1023



22.2337, 10.7041, 35.2791



1.1502, 0.5535, 1.8366



# Inverse Universe

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



47.7986, 40.7833, 62.4801



75.5867, 61.4531, 101.2415



43.6738, 53.9618, 51.7419



11.6775, 11.3997, 14.1023



22.2337, 10.7041, 35.2791



1.1502, 0.5535, 1.8366



# Previews

## White Background



This preview shows how the XYZ color 47.7973, 40.7815, 62.4792 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

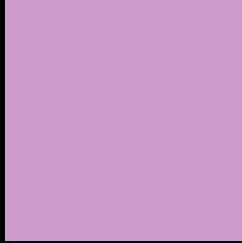
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.7973, 40.7815, 62.4792 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

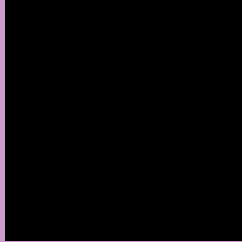
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.7973, 40.7815, 62.4792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.7973, 40.7815, 62.4792.



This preview shows how white text looks on a background with the XYZ color 47.7973, 40.7815,



# 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

47.7973, 40.7815, 62.4792

### Protanopia

41.2103, 41.1816, 69.3951

### Deuteranopia

41.7130, 40.7859, 61.5511



## Tritanopia

44.3751, 40.9244, 45.0955

# Trichromacy



## Original Color

47.7973, 40.7815, 62.4792

## Protanomaly

43.2195, 40.9105, 66.5914

## Deuteranomaly

43.8843, 40.8205, 62.0661

## Tritanomaly

45.4070, 40.8135, 50.8320

# Monochromacy



## Original Color

47.7973, 40.7815, 62.4792

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

43.3591, 42.1152, 52.2982

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.7973, 40.7815, 62.4792 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(205, 155, 204)` looks like.

```
.text, #text, p{  
    color:rgb(205, 155, 204)  
}
```

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(205, 155, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 155, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 47.7973, 40.7815, 62.4792 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(205, 155, 204) }
```



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

```
.border{ border-color:rgb(205, 155, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 155, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 155, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 155, 204);  
box-shadow:4px 4px 4px 4px rgb(205, 155,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.7973, 40.7815, 62.4792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 155, 204) }
```

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

```
.background{ background-color: rgb(205,  
155, 204) }
```

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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