

# Converting Colors

XYZ(48.4798, 38.0404, 64.3478)

Have a look what the booklet for  
XYZ(48.4798, 38.0404, 64.3478)  
contains.

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# Color

**XYZ(48.4987, 38.0462,  
64.4620)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D58ED0
RGB	213, 142, 208
RGB Percent	84%, 56%, 82%
CMY	0.1647, 0.4431, 0.1843
CMYK	0.00, 0.33, 0.02, 0.16
HSL	304°, 46%, 70%
HSV	304°, 33%, 84%
XYZ	48.4987, 38.0462, 64.4620
YIQ	170.7530, 21.1300, 35.5780

# Conversions

## Conversions Part 2

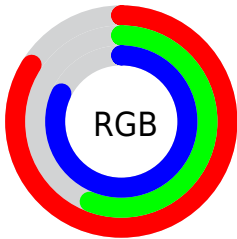
Format	Color
R <sub>YB</sub>	213, 142, 208
Decimal	13995728
CIE Lab	68.05, 37.24, -23.01
CIE LCh	68, 43.779, 328.285
Yxy	38.0462, 0.3212, 0.2520
Android (android.graphics.Color)	4292185808 (0xFFD58ED0)
YUV	170.7530, 18.3628, 37.0506
Hunter-Lab	61.6816, 32.4073, -18.7855

# Details

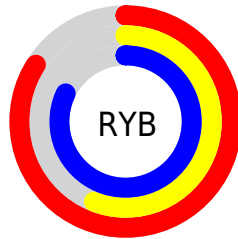
The XYZ color **48.4987, 38.0462, 64.4620** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.2176, 55.4470, 36.1886**, and the grayscale version is **38.4893, 40.4937, 44.0977**.

A 20% lighter version of the original color is **79.2563, 68.4125, 103.6354**, and **23.3106, 16.7803, 32.1473** is the 20% darker color. If you saturate the color by 10%, you get **45.4440, 32.2300, 62.5378**, and if you desaturate by 10%, it is **52.1631, 45.0775, 66.5989**.

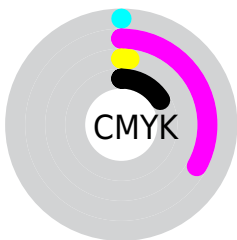
# Distribution



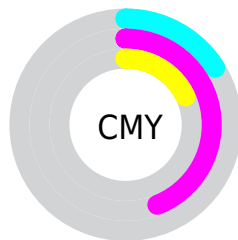
- Red (84%)
- Green (56%)
- Blue (82%)



- Red (84%)
- Yellow (56%)
- Blue (82%)



- Cyan (0%)
- Magenta (33%)
- Yellow (2%)
- Black (16%)




- Cyan (16%)
- Magenta (44%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4987, 38.0462, 64.4620 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 48.4987, 38.0462, 64.4620 by changing the saturation by 10% instead.





 48.4987, 38.0462,  
64.4620


 48.4987, 38.0462,  
64.4620


371.3152,  
337.8181, 459.1093

 34.4349, 26.0185,  
46.5764


 87.1517, 72.1789,  
112.8819

 23.3924, 16.8375,  
32.3490


 112.4715, 95.0528,  
144.2532

 15.0058, 10.1187,  
21.3612


142.2741,  
122.3109, 180.9569

 8.9098, 5.4777,  
13.1944

176.9247,  
154.3376, 223.4115

 4.7390, 2.5302,  
7.4303

216.7888,  
191.5172, 272.0355

 2.1281, 0.8917,  
3.6501

262.2317,

 0.7044, 0.0000,

234.2343, 327.2474

1.4354

313.6187,  
282.8731, 389.4658

■ 0.0000, 0.0000,  
0.1691

■ 0.0000, 0.0000,  
0.0000

■ 48.4987, 38.0462,  
64.4620

■ 48.4987, 38.0462,  
64.4620

■ 45.4440, 32.2300,  
62.5378

■ 52.1631, 45.0775,  
66.5989

■ 42.9607, 27.5547,  
60.8122

■ 56.4654, 53.3825,  
68.9566

■ 41.0120, 23.9457,  
59.2734

■ 61.4364, 63.0221,  
71.5459

■ 39.5551, 21.3175,  
57.9071

■ 67.1040, 74.0520,  
74.3761

■ 38.5407, 19.5718,  
56.6969

■ 73.4943, 86.5245,  
77.4558

■ 37.9095, 18.5894,  
55.6228

■ 75.7255, 90.6762,  
79.1580

■ 37.6339, 18.2235,  
54.9597

■ 75.9216, 90.7546,  
80.1905

■ 76.1195, 90.8337,  
81.2324

■ 76.3191, 90.9136,  
82.2837

# Harmonies

## Analogous

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



42.7360, 38.0462, 84.0607



48.4987, 38.0462, 64.4620



50.9111, 38.0462, 42.5596

# Triad

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



48.4987, 38.0462, 64.4620



36.5555, 38.0462, 14.0904



25.8028, 38.0462, 61.8839

# Complementary

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



48.4987, 38.0462, 64.4620



40.2176, 55.4470, 36.1886

# 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.



24.5776, 38.0462, 40.3124



48.4987, 38.0462, 64.4620



30.2989, 38.0462, 16.3804

# Square

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



48.4987, 38.0462, 64.4620



43.5000, 38.0462, 16.9932



26.1174, 38.0462, 24.6581



29.6990, 38.0462, 82.2727



# Rectangle

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



48.4987, 38.0462, 64.4620



50.0915, 38.0462, 30.7281



26.1174, 38.0462, 24.6581



25.0883, 38.0462, 54.3564

# Sweetspot

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



48.4999, 38.0479, 64.4628



87.1600, 84.6806, 104.8502



33.6698, 30.3305, 67.0313



18.4365, 17.7003, 22.3267



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.



48.4999, 38.0479, 64.4628



69.5460, 50.8084, 94.7990



44.6352, 36.5020, 44.1116



12.9135, 12.6169, 15.4848



23.0041, 11.1379, 33.6551



1.3991, 0.6764, 2.0909



# Inverse Universe

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



48.4999, 38.0479, 64.4628



69.5460, 50.8084, 94.7990



43.4186, 56.7275, 53.0451



12.9135, 12.6169, 15.4848



23.0041, 11.1379, 33.6551



1.3991, 0.6764, 2.0909



# Previews

## White Background



This preview shows how the XYZ color 48.4987, 38.0462, 64.4620 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

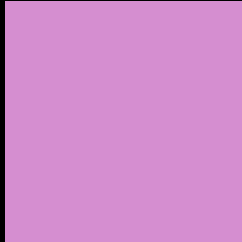
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.4987, 38.0462, 64.4620 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

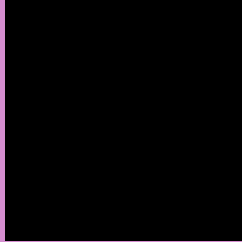
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.4987, 38.0462, 64.4620**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4987, 38.0462, 64.4620.



This preview shows how white text looks on a background with the XYZ color 48.4987, 38.0462,



# 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

48.4987, 38.0462, 64.4620

### Protanopia

39.1244, 38.3223, 75.8559

### Deuteranopia

39.1005, 38.3405, 62.4664



## Tritanopia

43.4096, 38.0430, 39.7054

# Trichromacy



## Original Color

48.4987, 38.0462, 64.4620



## Protanomaly

41.5566, 37.6095, 71.3988



## Deuteranomaly

41.7968, 37.6742, 62.8265



## Tritanomaly

45.0211, 37.9898, 47.6077

# Monochromacy



## Original Color

48.4987, 38.0462, 64.4620



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

41.4722, 39.0414, 50.6973

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4987, 38.0462, 64.4620 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(213, 142, 208)` looks like.

```
.text, #text, p{  
    color:rgb(213, 142, 208)  
}
```

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(213, 142, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 142, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4987, 38.0462, 64.4620 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(213, 142, 208) }
```



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

```
.border{ border-color:rgb(213, 142, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 142, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 142, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 142, 208);  
box-shadow:4px 4px 4px 4px rgb(213, 142,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4987, 38.0462, 64.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 142, 208) }
```

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

```
.background{ background-color: rgb(213,  
142, 208) }
```

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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