

# Converting Colors

XYZ(48.0305, 37.5566, 55.7624)

Have a look what the booklet for  
XYZ(48.0305, 37.5566, 55.7624)  
contains.

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# Color

**XYZ(48.0291, 37.5566,  
55.7567)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DA8CC2
RGB	218, 140, 194
RGB Percent	85%, 55%, 76%
CMY	0.1451, 0.4510, 0.2392
CMYK	0.00, 0.36, 0.11, 0.15
HSL	318°, 51%, 70%
HSV	318°, 36%, 85%
XYZ	48.0291, 37.5566, 55.7567
YIQ	169.4780, 29.1540, 33.3300

# Conversions

## Conversions Part 2

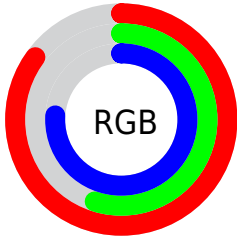
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	218, 140, 194
Decimal	14322882
CIE Lab	67.69, 37.51, -15.71
CIE LCh	68, 40.666, 337.273
Yxy	37.5566, 0.3398, 0.2657
Android (android.graphics.Color)	4292512962 (0xFFDA8CC2)
YUV	169.4780, 12.0893, 42.5538
Hunter-Lab	61.2834, 32.6481, -11.0446

# Details

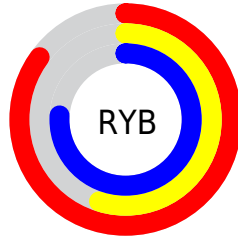
The XYZ color **48.0291, 37.5566, 55.7567** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.5890, 58.3997, 44.1520**, and the grayscale version is **37.8816, 39.8544, 43.4015**.

A 20% lighter version of the original color is **78.1677, 67.2552, 100.1285**, and **23.1236, 16.5543, 26.7875** is the 20% darker color. If you saturate the color by 10%, you get **44.4173, 31.5112, 50.9194**, and if you desaturate by 10%, it is **52.3081, 44.8810, 60.9850**.

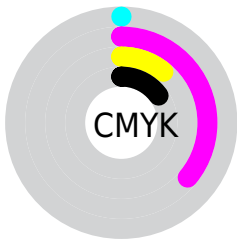
# Distribution



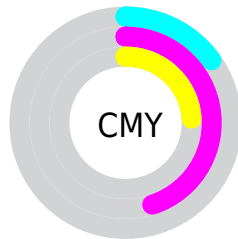
- Red (85%)
- Green (55%)
- Blue (76%)



- Red (85%)
- Yellow (55%)
- Blue (76%)



- Cyan (0%)
- Magenta (36%)
- Yellow (11%)
- Black (15%)




- Cyan (15%)
- Magenta (45%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0291, 37.5566, 55.7567 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 48.0291, 37.5566, 55.7567 by changing the saturation by 10% instead.




 48.0291, 37.5566,  
55.7567

 48.0291, 37.5566,  
55.7567

369.4881,  
335.7141, 426.1365


 34.0613, 25.6387,  
39.6052

 86.4572, 71.4280,  
100.1310

 23.1038, 16.5536,  
26.9194


 111.6481, 94.1503,  
129.1909

 14.7913, 9.9167,  
17.2808


 141.3108,  
121.2430, 163.3906

 8.7584, 5.3438,  
10.2708

175.8106,  
153.0903, 203.1488

 4.6398, 2.4503,  
5.4709

215.5129,  
190.0766, 248.8839

 2.0701, 0.8516,  
2.4626

260.7830,

 0.6729, 0.0000,

232.5864, 301.0146

0.8202

311.9863,  
281.0041, 359.9592

■ 0.0000, 0.0000,  
0.0000

■ 48.0291, 37.5566,  
55.7567

■ 48.0291, 37.5566,  
55.7567

■ 44.4173, 31.5112,  
50.9194

■ 52.3081, 44.8810,  
60.9850

■ 41.4315, 26.6646,  
46.4561

■ 57.2859, 53.5482,  
66.6157

■ 39.0310, 22.9355,  
42.3512


■ 62.9957, 63.6239,  
72.6625


■ 37.1686, 20.2303,  
38.5868


■ 69.4680, 75.1678,  
79.1376


■ 35.7893, 18.4400,  
35.1423


■ 76.7311, 88.2364,  
86.0525

 34.8257, 17.4302,  
31.9927

 79.5608, 92.3804,  
91.6678

 34.4931, 17.1373,  
30.7340

 80.5445, 92.7739,  
96.8478

 81.5651, 93.1821,  
102.2221

 82.6230, 93.6053,  
107.7928

# Harmonies

## Analogous

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



43.5180, 37.5566, 75.0359



48.0291, 37.5566, 55.7567



49.0603, 37.5566, 36.6699

# Triad

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



48.0291, 37.5566, 55.7567



34.1897, 37.5566, 15.2915



26.9260, 37.5566, 65.6082

# Complementary

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



48.0291, 37.5566, 55.7567



42.5890, 58.3997, 44.1520

# 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.



25.0106, 37.5566, 45.4280



48.0291, 37.5566, 55.7567



28.8731, 37.5566, 19.0894

# Square

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



48.0291, 37.5566, 55.7567



40.5663, 37.5566, 16.5746



25.6793, 37.5566, 28.9373



31.2327, 37.5566, 81.7896



# Rectangle

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



48.0291, 37.5566, 55.7567



47.5375, 37.5566, 27.0078



25.6793, 37.5566, 28.9373



26.0056, 37.5566, 58.8697

# Sweetspot

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



48.0302, 37.5583, 55.7575



85.3866, 82.8473, 98.9766



37.2209, 31.6489, 70.4773



18.0410, 17.3181, 20.9343



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.



48.0302, 37.5583, 55.7575



64.5048, 46.8522, 74.2318



44.2598, 36.0502, 35.9027



13.4349, 13.2031, 15.5514



20.7150, 10.2870, 18.6769



1.3799, 0.6816, 1.4094



# Inverse Universe

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



48.0302, 37.5583, 55.7575



64.5048, 46.8522, 74.2318



46.5960, 60.0025, 65.2526



13.4349, 13.2031, 15.5514



20.7150, 10.2870, 18.6769



1.3799, 0.6816, 1.4094



# Previews

## White Background



This preview shows how the XYZ color 48.0291, 37.5566, 55.7567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

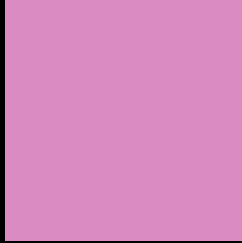
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.0291, 37.5566, 55.7567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

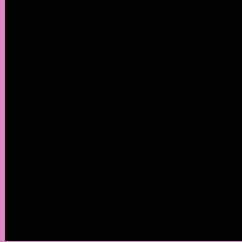
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.0291, 37.5566, 55.7567**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.0291, 37.5566, 55.7567.



This preview shows how white text looks on a background with the XYZ color 48.0291, 37.5566,

55.7567.

# 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

48.0291, 37.5566, 55.7567

### Protanopia

38.2347, 38.0741, 66.3066

### Deuteranopia

38.4013, 37.6425, 53.9570



## Tritanopia

44.3368, 37.6322, 37.2747

# Trichromacy



## Original Color

48.0291, 37.5566, 55.7567

## Protanomaly

40.7519, 37.1494, 62.1494

## Deuteranomaly

41.2887, 37.1088, 54.2768

## Tritanomaly

45.3483, 37.3339, 43.3441

# Monochromacy



## Original Color

48.0291, 37.5566, 55.7567

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

40.7563, 38.2329, 47.3511

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.0291, 37.5566, 55.7567 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(218, 140, 194)` looks like.

```
.text, #text, p{  
    color:rgb(218, 140, 194)  
}
```

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(218, 140, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 140, 194) }
```

## Border

The CSS property to change the border of an element to XYZ 48.0291, 37.5566, 55.7567 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(218, 140, 194) }
```



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

```
.border{ border-color:rgb(218, 140, 194) }
```

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

Here you see how a box with a 4 pixel rgb(218, 140, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 140, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 140, 194);  
box-shadow:4px 4px 4px 4px rgb(218, 140,  
194) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.0291, 37.5566, 55.7567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 140, 194) }
```

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

```
.background{ background-color: rgb(218,  
140, 194) }
```

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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