

Converting Colors

XYZ(47.5702, 37.9059, 59.2753)

Have a look what the booklet for
XYZ(47.5702, 37.9059, 59.2753)
contains.

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Color

**XYZ(47.6884, 37.9612,
59.4574)**

Conversions

Conversions Part 1

Format	Color
Hex	D58FC8
RGB	213, 143, 200
RGB Percent	84%, 56%, 78%
CMY	0.1647, 0.4392, 0.2157
CMYK	0.00, 0.33, 0.06, 0.16
HSL	311°, 45%, 70%
HSV	311°, 33%, 84%
XYZ	47.6884, 37.9612, 59.4574
YIQ	170.4280, 23.4230, 32.5670

Conversions

Conversions Part 2

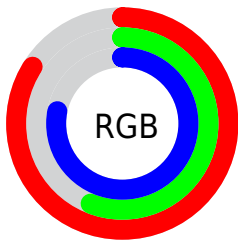
Format	Color
R_{YB}	213, 143, 200
Decimal	13995976
CIE _{Lab}	67.99, 35.27, -18.66
CIE _{LCh}	68, 39.905, 332.123
Yxy	37.9612, 0.3286, 0.2616
Android (android.graphics.Color)	4292186056 (0xFFD58FC8)
YUV	170.4280, 14.5790, 37.3356
Hunter-Lab	61.6127, 30.3374, -14.0871

Details

The XYZ color **47.6884, 37.9612, 59.4574** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.1243, 55.8297, 40.0636**, and the grayscale version is **38.3444, 40.3413, 43.9316**.

A 20% lighter version of the original color is **79.4841, 68.8682, 103.7114**, and **22.8340, 16.7256, 29.2190** is the 20% darker color. If you saturate the color by 10%, you get **44.3332, 31.9806, 56.0876**, and if you desaturate by 10%, it is **51.6650, 45.1641, 63.0942**.

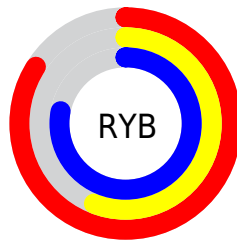
Distribution



Red (84%)

Green (56%)

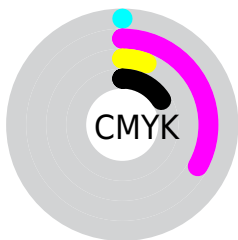
Blue (78%)



Red (84%)

Yellow (56%)

Blue (78%)

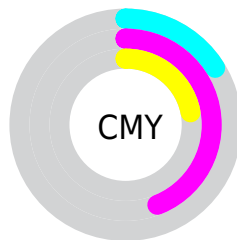


Cyan (0%)

Magenta (33%)

Yellow (6%)

Black (16%)



Cyan (16%)


Magenta (44%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.6884, 37.9612, 59.4574 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 47.6884, 37.9612, 59.4574 by changing the saturation by 10% instead.


 47.6884, 37.9612,
59.4574

 47.6884, 37.9612,
59.4574


368.1589,
337.4535, 440.3439

 33.7904, 25.9526,
42.5590


 85.9528, 72.0487,
105.5778

 22.8948, 16.7882,
29.2104


 111.0499, 94.8963,
135.6369

 14.6361, 10.0836,
18.9931


140.6108,
122.1257, 170.9200

 8.6490, 5.4544,
11.4885

175.0007,
154.1213, 211.8455

 4.5682, 2.5163,
6.2782

214.5852,
191.2675, 258.8322

 2.0284, 0.8848,
2.9434

259.7295,

 0.6498, 0.0000,

233.9487, 312.2984

1.0658

310.7989,
282.5492, 372.6628

■ 0.0000, 0.0000,
0.0000

■ 47.6884, 37.9612,
59.4574

■ 47.6884, 37.9612,
59.4574

■ 44.3332, 31.9806,
56.0876

■ 51.6650, 45.1641,
63.0942

■ 41.5613, 27.1482,
52.9704

■ 56.2912, 53.6478,
67.0066

■ 39.3359, 23.3900,
50.0935

■ 61.5980, 63.4730,
71.2057

■ 37.6144, 20.6209,
47.4423

■ 67.6130, 74.6951,
75.7013

■ 36.3479, 18.7431,
45.0000

■ 74.3624, 87.3664,
80.5024

■ 35.4773, 17.6388,
42.7465

■ 76.6199, 91.0339,
83.8673

■ 35.0265, 17.1805,
41.2292

■ 77.1620, 91.2507,
86.7220

■ 77.7166, 91.4726,
89.6429

■ 78.2840, 91.6995,
92.6304

Harmonies

Analogous

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



42.8042, 37.9612, 77.5510



47.6884, 37.9612, 59.4574



49.3654, 37.9612, 40.0806

Triad

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



47.6884, 37.9612, 59.4574



35.6409, 37.9612, 15.7269



26.8903, 37.9612, 62.2947

Complementary

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



47.6884, 37.9612, 59.4574



41.1243, 55.8297, 40.0636

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.



25.4232, 37.9612, 42.6118



47.6884, 37.9612, 59.4574



30.1014, 37.9612, 18.6228

Square

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



47.6884, 37.9612, 59.4574



41.9522, 37.9612, 17.8889



26.5287, 37.9612, 27.3264



30.7848, 37.9612, 79.4922

Rectangle

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



47.6884, 37.9612, 59.4574



48.3007, 37.9612, 29.7545



26.5287, 37.9612, 27.3264



26.1185, 37.9612, 55.5828

Sweetspot

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



47.6896, 37.9629, 59.4582



86.6946, 84.4944, 102.3994



35.5125, 31.5023, 67.1605



18.3232, 17.6550, 21.7298



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.



47.6896, 37.9629, 59.4582



68.2704, 50.9731, 86.0012



44.0712, 36.5156, 40.4041



12.8495, 12.5913, 15.1476



21.4308, 10.5086, 25.3702



1.3188, 0.6443, 1.6683

Inverse Universe

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



47.6896, 37.9629, 59.4582



68.2704, 50.9731, 86.0012



44.5090, 57.1836, 57.8872



12.8495, 12.5913, 15.1476



21.4308, 10.5086, 25.3702



1.3188, 0.6443, 1.6683

Previews

White Background



This preview shows how the XYZ color 47.6884, 37.9612, 59.4574 looks on a white background.

Color Contrast Check

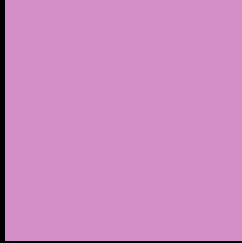
Large Text (above 18pt) WCAG AA × Fail

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 47.6884, 37.9612, 59.4574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

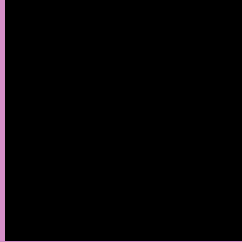
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6884, 37.9612, 59.4574

Background



This preview shows how black text looks on a background with the XYZ color 47.6884, 37.9612, 59.4574.



This preview shows how white text looks on a background with the XYZ color 47.6884, 37.9612,

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

47.6884, 37.9612, 59.4574

Protanopia

38.6781, 38.2295, 69.6305

Deuteranopia

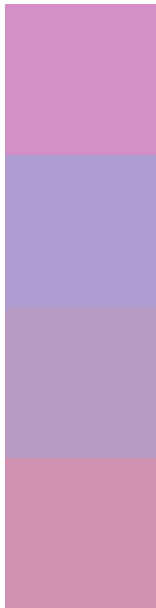
38.8205, 38.0417, 57.5213



Tritanopia

43.4404, 37.8312, 39.1950

Trichromacy



Original Color

47.6884, 37.9612, 59.4574

Protanomaly

41.2005, 37.5440, 66.0480

Deuteranomaly

41.5666, 37.6643, 57.9025

Tritanomaly

44.8485, 37.7037, 45.9881

Monochromacy



Original Color

47.6884, 37.9612, 59.4574

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

41.1610, 38.9169, 49.0584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6884, 37.9612, 59.4574 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, 143, 200)` looks like.

```
.text, #text, p{  
    color:rgb(213, 143, 200)  
}
```

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, 143, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 143, 200) }
```

Border

The CSS property to change the border of an element to XYZ 47.6884, 37.9612, 59.4574 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, 143, 200) }
```


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

```
.border{ border-color:rgb(213, 143, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 143, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 143, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 143, 200);  
box-shadow:4px 4px 4px 4px rgb(213, 143,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6884, 37.9612, 59.4574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 143, 200) }
```

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

```
.background{ background-color: rgb(213,  
143, 200) }
```

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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