

Converting Colors

XYZ(49.0325, 41.4274, 74.1952)

Have a look what the booklet for
XYZ(49.0325, 41.4274, 74.1952)
contains.

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Color

**XYZ(49.1607, 41.4684,
74.5204)**

Conversions

Conversions Part 1

Format	Color
Hex	C99CDE
RGB	201, 156, 222
RGB Percent	79%, 61%, 87%
CMY	0.2118, 0.3882, 0.1294
CMYK	0.09, 0.30, 0.00, 0.13
HSL	281°, 50%, 74%
HSV	281°, 30%, 87%
XYZ	49.1607, 41.4684, 74.5204
YIQ	176.9790, 5.6340, 30.0660

Conversions

Conversions Part 2

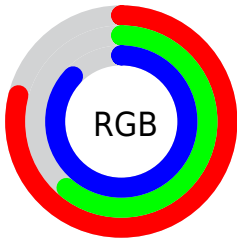
Format	Color
RYB	201, 156, 222
Decimal	13212894
CIELab	70.50, 28.50, -27.11
CIElCh	71, 39.333, 316.431
Yxy	41.4684, 0.2977, 0.2511
Android (android.graphics.Color)	4291402974 (0xFFC99CDE)
YUV	176.9790, 22.1954, 21.0664
Hunter-Lab	64.3960, 23.5762, -23.5345

Details

The XYZ color **49.1607, 41.4684, 74.5204** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.2549, 63.9910, 41.1572**, and the grayscale version is **41.6652, 43.8351, 47.7364**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **23.7794, 18.8016, 38.9350** is the 20% darker color. If you saturate the color by 10%, you get **43.9153, 33.7313, 73.3041**, and if you desaturate by 10%, it is **55.1769, 50.6156, 75.9695**.

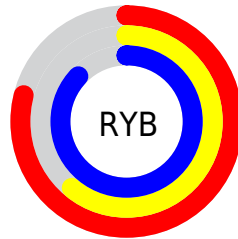
Distribution



Red (79%)

Green (61%)

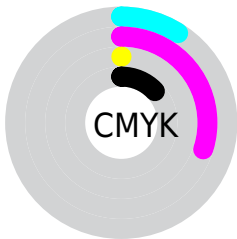
Blue (87%)



Red (79%)

Yellow (61%)

Blue (87%)

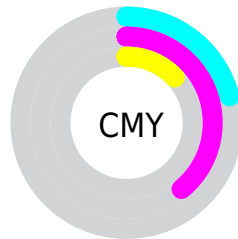


Cyan (9%)

Magenta (30%)

Yellow (0%)

Black (13%)



Cyan (21%)


Magenta (39%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1607, 41.4684, 74.5204 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 49.1607, 41.4684, 74.5204 by changing the saturation by 10% instead.


 49.1607, 41.4684,
74.5204


 49.1607, 41.4684,
74.5204


373.8811,
352.2745, 495.4789

 34.9620, 28.6853,
54.7207


 88.1294, 77.3944,
127.3741

 23.8000, 18.8429,
38.7811


 113.6301,
101.3061, 161.2652

 15.3093, 11.5568,
26.2829


143.6289,
129.6961, 200.6904

 9.1244, 6.4427,
16.8078

178.4910,
162.9488, 246.0685

 4.8802, 3.1161,
9.9370

218.5820,
201.4486, 297.8178

 2.2112, 1.1926,
5.2522

264.2671,

 0.7486, 0.0557,

245.5799, 356.3569

2.3346

315.9117,
295.7270, 422.1044

■ 0.0000, 0.0000,
0.7505

■ 0.0000, 0.0000,
0.0000

■ 49.1607, 41.4684,
74.5204

■ 49.1607, 41.4684,
74.5204

■ 43.9153, 33.7313,
73.3041

■ 55.1769, 50.6156,
75.9695

■ 39.3983, 27.3241,
72.3055

■ 61.9954, 61.2368,
77.6603

■ 35.5694, 22.1668,
71.5118

■ 69.6505, 73.3984,
79.6042

■ 32.3819, 18.1680,
70.9080

■ 78.1734, 87.1610,
81.8115

■ 29.7830, 15.2239,
70.4766

■ 83.6435, 94.6817,
82.9748

■ 27.7102, 13.2111,
70.1974

■ 86.0398, 95.9171,
83.0870

■ 26.0574, 11.9197,
70.0352

■ 88.5300, 97.2008,
83.2035

■ 26.0151, 11.8881,
70.0314

■ 90.1849, 98.0540,
83.2809

Harmonies

Analogous

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



43.0492, 41.4684, 88.8154



49.1607, 41.4684, 74.5204



52.8260, 41.4684, 54.0625

Triad

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



49.1607, 41.4684, 74.5204



42.4140, 41.4684, 18.5673



28.6199, 41.4684, 56.0297

Complementary

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



49.1607, 41.4684, 74.5204



50.2549, 63.9910, 41.1572

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.



28.4898, 41.4684, 37.2787



49.1607, 41.4684, 74.5204



35.9903, 41.4684, 18.8239

Square

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



49.1607, 41.4684, 74.5204



48.6519, 41.4684, 23.8993



31.0498, 41.4684, 24.7346



31.4272, 41.4684, 76.2967

Rectangle

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



49.1607, 41.4684, 74.5204



53.1545, 41.4684, 41.2676



31.0498, 41.4684, 24.7346



28.2732, 41.4684, 49.2729

Sweetspot

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



49.1620, 41.4702, 74.5213



85.5250, 84.8626, 106.4802



42.8171, 44.1844, 75.3796



17.9954, 17.6756, 22.7132



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.



49.1620, 41.4702, 74.5213



62.4812, 49.6204, 100.8923



53.7717, 44.0114, 67.2900



13.8488, 13.7056, 17.3032



15.5725, 7.1232, 41.6025



1.1711, 0.5410, 2.8879

Inverse Universe

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



49.9498, 42.4826, 47.1641



63.9326, 51.3494, 56.6491



46.8081, 62.1016, 46.0808



13.8860, 13.7720, 15.1701



18.6066, 9.5097, 4.5943



1.3295, 0.6751, 0.5279

Previews

White Background



This preview shows how the XYZ color 49.1607, 41.4684, 74.5204 looks on a white background.

Color Contrast Check

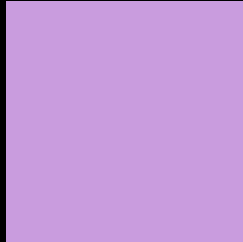
Large Text (above 18pt) WCAG AA × Fail

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 49.1607, 41.4684, 74.5204 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 49.1607, 41.4684, 74.5204

Background



This preview shows how black text looks on a background with the XYZ color 49.1607, 41.4684, 74.5204.



This preview shows how white text looks on a background with the XYZ color 49.1607, 41.4684,

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

49.1607, 41.4684, 74.5204

Protanopia

42.6003, 41.6012, 82.8754

Deuteranopia

42.4912, 41.4897, 72.7866



Tritanopia

43.6391, 41.5539, 47.3157

Trichromacy



Original Color

49.1607, 41.4684, 74.5204

Protanomaly

44.6112, 41.3381, 79.7565

Deuteranomaly

44.5538, 41.1832, 73.3111

Tritanomaly

45.5719, 41.5612, 56.0723

Monochromacy



Original Color

49.1607, 41.4684, 74.5204

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.0633, 42.6653, 56.3649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1607, 41.4684, 74.5204 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(201, 156, 222)` looks like.

```
.text, #text, p{  
    color:rgb(201, 156, 222)  
}
```

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(201, 156, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 156, 222) }
```

Border

The CSS property to change the border of an element to XYZ 49.1607, 41.4684, 74.5204 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(201, 156, 222) }
```


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

```
.border{ border-color:rgb(201, 156, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 156, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 156, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 156, 222);  
box-shadow:4px 4px 4px 4px rgb(201, 156,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1607, 41.4684, 74.5204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 156, 222) }
```

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

```
.background{ background-color: rgb(201,  
156, 222) }
```

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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