

Converting Colors

XYZ(50.2048, 41.8368, 74.4322)

Have a look what the booklet for
XYZ(50.2048, 41.8368, 74.4322)
contains.

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Color

**XYZ(50.0830, 41.6958,
74.5157)**

Conversions

Conversions Part 1

Format	Color
Hex	CD9BDE
RGB	205, 155, 222
RGB Percent	80%, 61%, 87%
CMY	0.1961, 0.3921, 0.1294
CMYK	0.08, 0.30, 0.00, 0.13
HSL	285°, 50%, 74%
HSV	285°, 30%, 87%
XYZ	50.0830, 41.6958, 74.5157
YIQ	177.5880, 8.2930, 31.4370

Conversions

Conversions Part 2

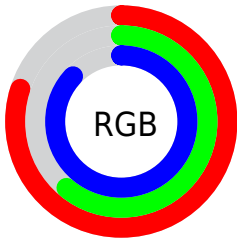
Format	Color
R _Y B	205, 155, 222
Decimal	13474782
CIE Lab	70.66, 30.31, -26.83
CIE LCh	71, 40.484, 318.484
Yxy	41.6958, 0.3012, 0.2507
Android (android.graphics.Color)	4291664862 (0xFFCD9BDE)
YUV	177.5880, 21.8951, 24.0403
Hunter-Lab	64.5723, 25.4451, -23.2194

Details

The XYZ color **50.0830, 41.6958, 74.5157** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.0524, 63.3809, 40.6608**, and the grayscale version is **41.9857, 44.1722, 48.1035**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **24.4030, 18.9745, 38.9355** is the 20% darker color. If you saturate the color by 10%, you get **45.1969, 34.1882, 73.3247**, and if you desaturate by 10%, it is **55.7069, 50.5942, 75.9375**.

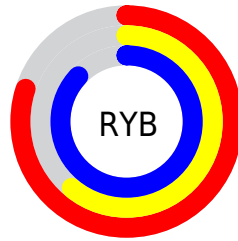
Distribution



Red (80%)

Green (61%)

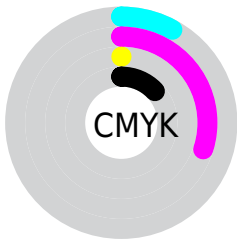
Blue (87%)



Red (80%)

Yellow (61%)

Blue (87%)

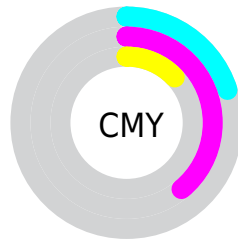


Cyan (8%)

Magenta (30%)

Yellow (0%)

Black (13%)



Cyan (20%)


Magenta (39%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0830, 41.6958, 74.5157 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 50.0830, 41.6958, 74.5157 by changing the saturation by 10% instead.


 50.0830, 41.6958,
74.5157


 50.0830, 41.6958,
74.5157


377.4371,
353.2204, 495.4622

 35.6974, 28.8632,
54.7169


 89.4889, 77.7390,
127.3674

 24.3696, 18.9773,
38.7780


 115.2400,
101.7184, 161.2573

 15.7343, 11.6539,
26.2806


145.5102,
130.1822, 200.6813

 9.4260, 6.5085,
16.8060

180.6651,
163.5147, 246.0580

 5.0794, 3.1567,
9.9358

221.0698,
202.1004, 297.8059

 2.3291, 1.2141,
5.2514

267.0898,

 0.8095, 0.0731,

246.3236, 356.3436

2.3342

319.0904,
296.5688, 422.0895

■ 0.0000, 0.0000,
0.7503

■ 0.0000, 0.0000,
0.0000

■ 50.0830, 41.6958,
74.5157

■ 50.0830, 41.6958,
74.5157

■ 45.1969, 34.1882,
73.3247

■ 55.7069, 50.5942,
75.9375

■ 41.0067, 27.9911,
72.3494

■ 62.0996, 60.9471,
77.5989

■ 37.4723, 23.0244,
71.5771

■ 69.2951, 72.8208,
79.5115

■ 34.5477, 19.1967,
70.9924

■ 77.3240, 86.2758,
81.6854

■ 32.1801, 16.4036,
70.5780

■ 82.6035, 94.1456,
82.9262

■ 30.3072, 14.5212,
70.3134

■ 84.4738, 95.1098,
83.0137

■ 28.8421, 13.3455,
70.1637

■ 86.4033, 96.1045,
83.1040

■ 88.3926, 97.1300,
83.1971

■ 90.1849, 98.0540,
83.2810

Harmonies

Analogous

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



43.8578, 41.6958, 90.1629



50.0830, 41.6958, 74.5157



53.6450, 41.6958, 53.1726

Triad

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



50.0830, 41.6958, 74.5157



42.2591, 41.6958, 17.9903



28.6230, 41.6958, 58.1332

Complementary

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



50.0830, 41.6958, 74.5157



49.0524, 63.3809, 40.6608

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.



28.2980, 41.6958, 38.4237



50.0830, 41.6958, 74.5157



35.6841, 41.6958, 18.6239

Square

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



50.0830, 41.6958, 74.5157



48.7996, 41.6958, 22.9946



30.7442, 41.6958, 25.0693



31.6887, 41.6958, 79.0165

Rectangle

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



50.0830, 41.6958, 74.5157



53.7899, 41.6958, 40.1699



30.7442, 41.6958, 25.0693



28.2035, 41.6958, 51.0647

Sweetspot

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



50.0843, 41.6976, 74.5166



86.0507, 85.1336, 106.5048



41.6221, 42.0804, 75.0365



18.1254, 17.7426, 22.7193



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.



50.0843, 41.6976, 74.5166



64.3665, 50.5923, 100.9806



53.0320, 43.4481, 64.2187



13.9377, 13.7514, 17.3074



17.2390, 7.9823, 41.6805



1.2759, 0.5950, 2.8928

Inverse Universe

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



49.2934, 41.9527, 44.5313



63.2882, 51.0916, 53.2556



46.9561, 62.1385, 47.8661



13.8492, 13.7573, 14.9761



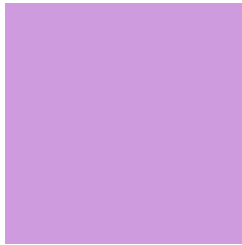
18.3600, 9.4110, 3.2957



1.3084, 0.6666, 0.4170

Previews

White Background



This preview shows how the XYZ color 50.0830, 41.6958, 74.5157 looks on a white background.

Color Contrast Check

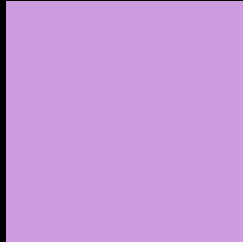
Large Text (above 18pt) WCAG AA × Fail

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 50.0830, 41.6958, 74.5157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

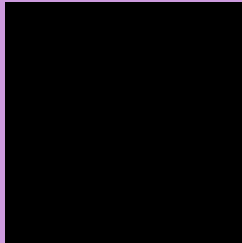
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0830, 41.6958, 74.5157

Background



This preview shows how black text looks on a background with the XYZ color 50.0830, 41.6958, 74.5157.



This preview shows how white text looks on a background with the XYZ color 50.0830, 41.6958,

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

50.0830, 41.6958, 74.5157

Protanopia

42.9318, 42.0349, 83.6927

Deuteranopia

42.8868, 41.9709, 72.8587



Tritanopia

44.5000, 41.7310, 47.3045

Trichromacy



Original Color

50.0830, 41.6958, 74.5157



Protanomaly

44.9716, 41.5077, 80.5044



Deuteranomaly

45.1958, 41.7809, 73.3926



Tritanomaly

46.4579, 41.7575, 56.0635

Monochromacy



Original Color

50.0830, 41.6958, 74.5157



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

44.8514, 43.3359, 57.0397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0830, 41.6958, 74.5157 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(205, 155, 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(205, 155, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 155, 222) }
```

Border

The CSS property to change the border of an element to XYZ 50.0830, 41.6958, 74.5157 is called "border". The border property can be set on classes, ids or directly on the HTML element.

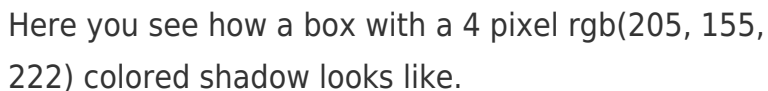
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 155, 222) }
```


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

```
.border{ border-color:rgb(205, 155, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 155, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 155, 222);  
box-shadow:4px 4px 4px 4px rgb(205, 155,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0830, 41.6958, 74.5157 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, 222) }
```

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

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