

# Converting Colors

XYZ(50.1576, 41.0430, 74.6729)

Have a look what the booklet for  
XYZ(50.1576, 41.0430, 74.6729)  
contains.

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# Color

**XYZ(50.1452, 40.9958,  
74.3773)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF98DE
RGB	207, 152, 222
RGB Percent	81%, 60%, 87%
CMY	0.1882, 0.4039, 0.1294
CMYK	0.07, 0.32, 0.00, 0.13
HSL	287°, 51%, 73%
HSV	287°, 32%, 87%
XYZ	50.1452, 40.9958, 74.3773
YIQ	176.4250, 10.3100, 33.4300

# Conversions

## Conversions Part 2

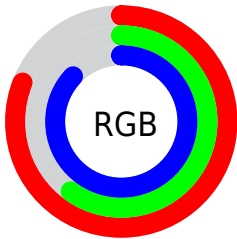
Format	Color
R <sub>Y</sub> B	207, 152, 222
Decimal	13605086
CIE Lab	70.17, 32.58, -27.57
CIE LCh	70, 42.679, 319.768
Yxy	40.9958, 0.3030, 0.2477
Android (android.graphics.Color)	4291795166 (0xFFCF98DE)
YUV	176.4250, 22.4685, 26.8143
Hunter-Lab	64.0280, 27.7481, -24.0539

# Details

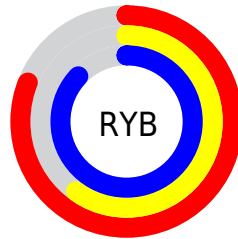
The XYZ color **50.1452, 40.9958, 74.3773** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.7265, 62.7261, 39.2996**, and the grayscale version is **41.3723, 43.5269, 47.4008**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **24.4811, 18.5798, 38.8552** is the 20% darker color. If you saturate the color by 10%, you get **45.5650, 33.7780, 73.2261**, and if you desaturate by 10%, it is **55.4425, 49.5864, 75.7569**.

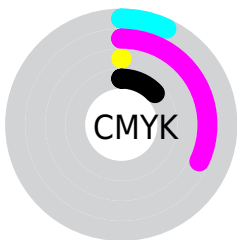
# Distribution



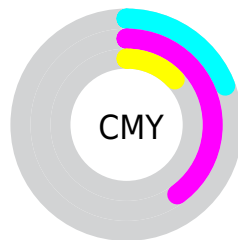
- Red (81%)
- Green (60%)
- Blue (87%)



- Red (81%)
- Yellow (60%)
- Blue (87%)



- Cyan (7%)
- Magenta (32%)
- Yellow (0%)
- Black (13%)




- Cyan (19%)
- Magenta (40%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.1452, 40.9958, 74.3773 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 50.1452, 40.9958, 74.3773 by changing the saturation by 10% instead.




 50.1452, 40.9958,  
74.3773


 50.1452, 40.9958,  
74.3773


377.6761,  
350.3031, 494.9727

 35.7471, 28.3158,  
54.6042

 89.5805, 76.6775,  
127.1695

 24.4081, 18.5639,  
38.6885


 115.3484,  
100.4480, 161.0257

 15.7630, 11.3556,  
26.2115


145.6369,  
128.6842, 200.4134

 9.4464, 6.3065,  
16.7548

180.8113,  
161.7703, 245.7511

 5.0929, 3.0323,  
9.8997

221.2371,  
200.0909, 297.4573

 2.3372, 1.1486,  
5.2278

267.2796,

 0.8136, 0.0191,

244.0303, 355.9506

2.3204

319.3042,  
293.9729, 421.6496

■ 0.0000, 0.0000,  
0.7426

■ 0.0000, 0.0000,  
0.0000

■ 50.1452, 40.9958,  
74.3773

■ 50.1452, 40.9958,  
74.3773

■ 45.5650, 33.7780,  
73.2261

■ 55.4425, 49.5864,  
75.7569

■ 41.6597, 27.8521,  
72.2882

■ 61.4879, 59.6143,  
77.3738

■ 38.3890, 23.1369,  
71.5504

■ 68.3155, 71.1461,  
79.2398

■ 35.7062, 19.5396,  
70.9975

■ 75.9560, 84.2427,  
81.3650

■ 33.5579, 16.9539,  
70.6116

■ 81.8314, 93.7475,  
82.8900

■ 31.8801, 15.2525,  
70.3716

■ 83.3860, 94.5490,  
82.9627

■ 30.7364, 14.3221,  
70.2523

■ 84.9826, 95.3721,  
83.0375

■ 86.6216, 96.2170,  
83.1142

■ 88.3033, 97.0840,  
83.1929

# Harmonies

## Analogous

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



43.6868, 40.9958, 91.5052



50.1452, 40.9958, 74.3773



53.7342, 40.9958, 51.8251

# Triad

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



50.1452, 40.9958, 74.3773



41.4002, 40.9958, 16.4751



27.6428, 40.9958, 58.9524

# Complementary

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



50.1452, 40.9958, 74.3773



47.7265, 62.7261, 39.2996

# 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.



27.1856, 40.9958, 38.1472



50.1452, 40.9958, 74.3773



34.5968, 40.9958, 17.3414

# Square

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



50.1452, 40.9958, 74.3773



48.3002, 40.9958, 21.2398



29.5843, 40.9958, 24.1168



30.9180, 40.9958, 80.9155



# Rectangle

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



50.1452, 40.9958, 74.3773



53.7576, 40.9958, 38.4241



29.5843, 40.9958, 24.1168



27.1708, 40.9958, 51.4870

# Sweetspot

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



50.1465, 40.9976, 74.3782



86.3745, 85.3006, 106.5200



39.9846, 39.6497, 74.6536



18.2056, 17.7839, 22.7231



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.



50.1465, 40.9976, 74.3782



64.3031, 49.2402, 100.7229



52.0341, 42.2599, 61.3963



13.9925, 13.7797, 17.3099



18.3536, 8.5570, 41.7327



1.3447, 0.6305, 2.8961



# Inverse Universe

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



48.3288, 40.7778, 41.8846



61.6069, 48.9970, 48.7861



46.5020, 61.8912, 48.4429



13.8268, 13.7484, 14.8583



18.2383, 9.3623, 2.6546

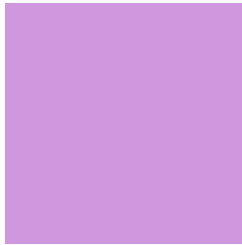


1.2971, 0.6621, 0.3576



# Previews

## White Background



This preview shows how the XYZ color 50.1452, 40.9958, 74.3773 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

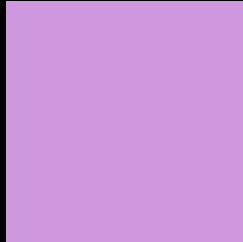
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.1452, 40.9958, 74.3773 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 50.1452, 40.9958, 74.3773**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.1452, 40.9958, 74.3773.



This preview shows how white text looks on a background with the XYZ color 50.1452, 40.9958,



# 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

50.1452, 40.9958, 74.3773

### Protanopia

42.5070, 41.5199, 84.3710

### Deuteranopia

42.2840, 41.3829, 72.7769



## Tritanopia

44.2043, 40.8251, 45.5946

# Trichromacy



## Original Color

50.1452, 40.9958, 74.3773

## Protanomaly

44.6137, 40.7918, 80.3851

## Deuteranomaly

44.8379, 41.0650, 73.2733

## Tritanomaly

46.2594, 40.9118, 54.7488

# Monochromacy



## Original Color

50.1452, 40.9958, 74.3773

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

43.9379, 42.0525, 56.2532

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.1452, 40.9958, 74.3773 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(207, 152, 222)` looks like.

```
.text, #text, p{  
    color:rgb(207, 152, 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(207, 152, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 152, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 50.1452, 40.9958, 74.3773 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(207, 152, 222) }
```



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

```
.border{ border-color:rgb(207, 152, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 152, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 152, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 152, 222);  
box-shadow:4px 4px 4px 4px rgb(207, 152,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.1452, 40.9958, 74.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 152, 222) }
```

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

```
.background{ background-color: rgb(207,  
152, 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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