

Converting Colors

XYZ(49.9461, 40.9070, 70.7387)

Have a look what the booklet for
XYZ(49.9461, 40.9070, 70.7387)
contains.

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Color

**XYZ(50.0471, 41.0215,
70.9258)**

Conversions

Conversions Part 1

Format	Color
Hex	D198D9
RGB	209, 152, 217
RGB Percent	82%, 60%, 85%
CMY	0.1804, 0.4039, 0.1490
CMYK	0.04, 0.30, 0.00, 0.15
HSL	293°, 46%, 72%
HSV	293°, 30%, 85%
XYZ	50.0471, 41.0215, 70.9258
YIQ	176.4530, 13.1070, 32.2990

Conversions

Conversions Part 2

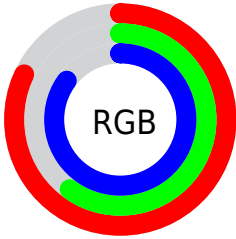
Format	Color
R_{YB}	209, 152, 217
Decimal	13736153
CIE _{Lab}	70.19, 32.24, -24.77
CIE _{LCh}	70, 40.656, 322.470
Yxy	41.0215, 0.3089, 0.2532
Android (android.graphics.Color)	4291926233 (0xFFD198D9)
YUV	176.4530, 19.9897, 28.5437
Hunter-Lab	64.0480, 27.3958, -20.8232

Details

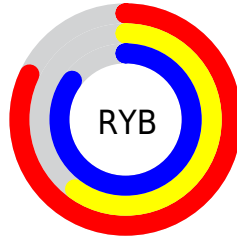
The XYZ color **50.0471, 41.0215, 70.9258** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.9789, 59.3673, 38.7961**, and the grayscale version is **41.3984, 43.5543, 47.4307**.

A 20% lighter version of the original color is **81.6028, 73.1056, 104.4176**, and **24.4052, 18.5930, 36.4849** is the 20% darker color. If you saturate the color by 10%, you get **46.0933, 34.2254, 69.8230**, and if you desaturate by 10%, it is **54.6605, 49.1163, 72.2457**.

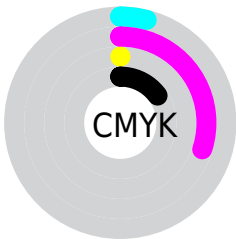
Distribution



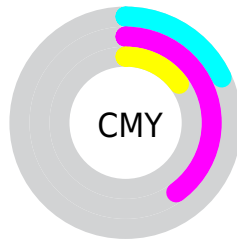
- Red (82%)
- Green (60%)
- Blue (85%)



- Red (82%)
- Yellow (60%)
- Blue (85%)



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)



- Cyan (18%)
- Magenta (40%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.0471, 41.0215, 70.9258 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 50.0471, 41.0215, 70.9258 by changing the saturation by 10% instead.

50.0471, 41.0215,
70.9258

50.0471, 41.0215,
70.9258

377.2990,
350.4105, 482.6707

35.6688, 28.3359,
51.8002

89.4361, 76.7165,
122.2215

24.3474, 18.5790,
36.4647

115.1774,
100.4947, 155.2287

15.7177, 11.3665,
24.5008

145.4371,
128.7393, 193.7002

9.4142, 6.3139,
15.4899

180.5806,
161.8345, 238.0545

5.0716, 3.0369,
9.0135

220.9732,
200.1648, 288.7102

2.3245, 1.1510,
4.6530

266.9802,

0.8072, 0.0211,

244.1147, 346.0857

1.9900

318.9671,
294.0684, 410.5997

■ 0.0000, 0.0000,
0.5491

■ 0.0000, 0.0000,
0.0000

■ 50.0471, 41.0215,
70.9258

■ 50.0471, 41.0215,
70.9258

■ 46.0933, 34.2254,
69.8230

■ 54.6605, 49.1163,
72.2457

■ 42.7598, 28.6522,
68.9230

■ 59.9622, 58.5694,
73.7909

■ 40.0095, 24.2267,
68.2137

■ 65.9837, 69.4433,
75.5724

■ 37.7994, 20.8630,
67.6810

■ 72.7536, 81.7950,
77.5997

36.0803, 18.4631,
67.3083

78.5176, 92.1155,
79.2880

34.7942, 16.9106,
67.0765

79.3439, 92.5415,
79.3267

33.8375, 15.9987,
66.9509

80.1832, 92.9742,
79.3659

33.8332, 15.9948,
66.9503

81.0356, 93.4136,
79.4058

81.9011, 93.8598,
79.4463

Harmonies

Analogous

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



44.0894, 41.0215, 87.8270



50.0471, 41.0215, 70.9258



53.1060, 41.0215, 49.6438

Triad

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



50.0471, 41.0215, 70.9258



40.6913, 41.0215, 17.2885



28.3171, 41.0215, 60.1924

Complementary

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



50.0471, 41.0215, 70.9258



44.9789, 59.3673, 38.7961

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.



27.6268, 41.0215, 40.0315



50.0471, 41.0215, 70.9258



34.2993, 41.0215, 18.6322

Square

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



50.0471, 41.0215, 70.9258



47.3187, 41.0215, 21.4450



29.6942, 41.0215, 25.8487



31.7004, 41.0215, 80.5006

Rectangle

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



50.0471, 41.0215, 70.9258



52.8710, 41.0215, 37.2083



29.6942, 41.0215, 25.8487



27.7793, 41.0215, 53.0578

Sweetspot

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



50.0484, 41.0233, 70.9267



87.1292, 85.6896, 106.5553



38.1616, 37.0604, 70.7883



18.3926, 17.8804, 22.7318



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.



50.0484, 41.0233, 70.9267



68.3876, 52.6653, 101.1687



49.4890, 41.0676, 55.8694



13.4485, 13.1893, 16.4891



20.5416, 9.7138, 40.5307



1.3760, 0.6526, 2.6279

Inverse Universe

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



46.1900, 39.7480, 38.4971



62.0614, 50.6009, 46.7954



45.5831, 59.4301, 50.0582



13.1209, 13.0775, 13.8980



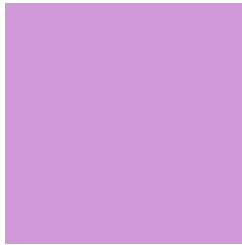
17.4607, 8.9853, 1.5402



1.1532, 0.5909, 0.2155

Previews

White Background



This preview shows how the XYZ color 50.0471, 41.0215, 70.9258 looks on a white background.

Color Contrast Check

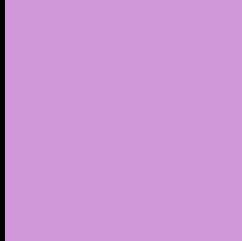
Large Text (above 18pt) WCAG AA × Fail

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 50.0471, 41.0215, 70.9258 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 50.0471, 41.0215, 70.9258

Background



This preview shows how black text looks on a background with the XYZ color 50.0471, 41.0215, 70.9258.



This preview shows how white text looks on a background with the XYZ color 50.0471, 41.0215,

70.9258.

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

50.0471, 41.0215, 70.9258

Protanopia

42.1752, 41.4312, 80.6371

Deuteranopia

42.0766, 41.0758, 69.3291



Tritanopia

44.9163, 41.2034, 45.1209

Trichromacy



Original Color

50.0471, 41.0215, 70.9258



Protanomaly

44.3670, 40.7446, 76.7603



Deuteranomaly

44.4775, 40.6920, 69.8001



Tritanomaly

46.5890, 41.1070, 53.6230

Monochromacy



Original Color

50.0471, 41.0215, 70.9258



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

43.9617, 42.0904, 55.0974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0471, 41.0215, 70.9258 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(209, 152, 217)` looks like.

```
.text, #text, p{  
    color:rgb(209, 152, 217)  
}
```

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(209, 152, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 152, 217) }
```

Border

The CSS property to change the border of an element to XYZ 50.0471, 41.0215, 70.9258 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(209, 152, 217) }
```


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

```
.border{ border-color:rgb(209, 152, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 152, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 152, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 152, 217);  
box-shadow:4px 4px 4px 4px rgb(209, 152,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0471, 41.0215, 70.9258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 152, 217) }
```

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

```
.background{ background-color: rgb(209,  
152, 217) }
```

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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