

Converting Colors

XYZ(49.7558, 40.6464, 70.1889)

Have a look what the booklet for
XYZ(49.7558, 40.6464, 70.1889)
contains.

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Color

**XYZ(49.7558, 40.6464,
70.1889)**

Conversions

Conversions Part 1

Format	Color
Hex	D197D8
RGB	209, 151, 216
RGB Percent	82%, 59%, 85%
CMY	0.1804, 0.4078, 0.1529
CMYK	0.03, 0.30, 0.00, 0.15
HSL	294°, 45%, 72%
HSV	294°, 30%, 85%
XYZ	49.7558, 40.6464, 70.1889
YIQ	175.7520, 13.7030, 32.5110

Conversions

Conversions Part 2

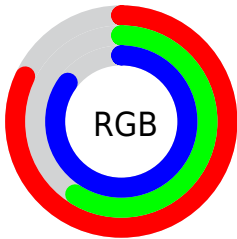
Format	Color
R_{YB}	209, 151, 216
Decimal	13735896
CIE _{Lab}	69.93, 32.59, -24.62
CIE _{LCh}	70, 40.845, 322.935
Y _{xy}	40.6464, 0.3098, 0.2531
Android (android.graphics.Color)	4291925976 (0xFFD197D8)
YUV	175.7520, 19.8423, 29.1585
Hunter-Lab	63.7545, 27.7359, -20.6456

Details

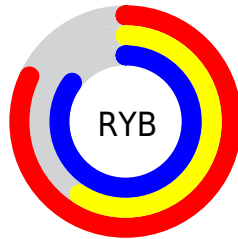
The XYZ color **49.7558, 40.6464, 70.1889** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.2437, 58.6162, 38.2623**, and the grayscale version is **41.0339, 43.1708, 47.0130**.

A 20% lighter version of the original color is **81.3613, 72.6226, 104.3371**, and **24.2213, 18.3669, 35.9868** is the 20% darker color. If you saturate the color by 10%, you get **45.9400, 33.9839, 69.1046**, and if you desaturate by 10%, it is **54.2206, 48.5910, 71.4876**.

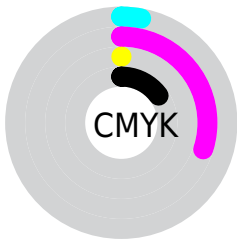
Distribution



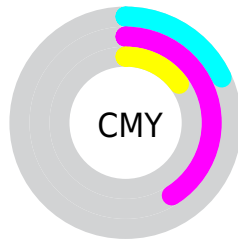
- Red (82%)
- Green (59%)
- Blue (85%)



- Red (82%)
- Yellow (59%)
- Blue (85%)



- Cyan (3%)
- Magenta (30%)
- Yellow (0%)
- Black (15%)





- Cyan (18%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7558, 40.6464, 70.1889 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 49.7558, 40.6464, 70.1889 by changing the saturation by 10% instead.


 49.7558, 40.6464,
70.1889

 49.7558, 40.6464,
70.1889


376.1780,
348.8406, 480.0200

 35.4364, 28.0429,
51.2028

 89.0069, 76.1468,
121.1617

 24.1673, 18.3580,
35.9922


 114.6694, 99.8125,
153.9856

 15.5832, 11.2073,
24.1385


144.8436,
127.9344, 192.2590

 9.3187, 6.2065,
15.2232

179.8949,
160.8969, 236.4007

 5.0084, 2.9710,
8.8279

220.1886,
199.0844, 286.8291

 2.2870, 1.1166,
4.5338

266.0901,

 0.7880, 0.0000,

242.8812, 343.9627

1.9225

317.9648,
292.6718, 408.2202

■ 0.0000, 0.0000,
0.5070

■ 0.0000, 0.0000,
0.0000

■ 49.7558, 40.6464,
70.1889

■ 49.7558, 40.6464,
70.1889

■ 45.9400, 33.9839,
69.1046

■ 54.2206, 48.5910,
71.4876

■ 42.7345, 28.5286,
68.2206

■ 59.3628, 57.8768,
73.0090

■ 40.1024, 24.2060,
67.5250

■ 65.2136, 68.5656,
74.7637

■ 38.0011, 20.9310,
67.0036

■ 71.8014, 80.7137,
76.7613

36.3821, 18.6065,
66.6402

77.8616, 91.7924,
78.5803

35.1878, 17.1174,
66.4158

78.5733, 92.1592,
78.6136

34.3210, 16.2613,
66.2962

79.2948, 92.5312,
78.6474

80.0261, 92.9082,
78.6816

80.7674, 93.2904,
78.7163

Harmonies

Analogous

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



43.8309, 40.6464, 87.2520



49.7558, 40.6464, 70.1889



52.7563, 40.6464, 48.9139

Triad

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



49.7558, 40.6464, 70.1889



40.2267, 40.6464, 16.9630



28.0172, 40.6464, 60.1085

Complementary

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



49.7558, 40.6464, 70.1889



44.2437, 58.6162, 38.2623

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.



27.2865, 40.6464, 39.9055



49.7558, 40.6464, 70.1889



33.8635, 40.6464, 18.3809

Square

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



49.7558, 40.6464, 70.1889



46.8602, 40.6464, 21.0028



29.3055, 40.6464, 25.6575



31.4302, 40.6464, 80.3626

Rectangle

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



49.7558, 40.6464, 70.1889



52.4771, 40.6464, 36.5587



29.3055, 40.6464, 25.6575



27.4671, 40.6464, 52.9666

Sweetspot

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



49.7571, 40.6482, 70.1898



87.2573, 85.7557, 106.5613



37.4855, 36.1923, 69.9765



18.4244, 17.8967, 22.7333



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.



49.7571, 40.6482, 70.1898



68.8788, 52.9185, 101.1917



48.7999, 40.4991, 54.5847



12.8152, 12.5616, 15.6867



20.3700, 9.6536, 39.2429



1.2672, 0.6021, 2.3687

Inverse Universe

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



45.5584, 39.2025, 37.5152



61.9239, 50.5459, 46.0713



45.1480, 58.8234, 50.0072



12.4771, 12.4423, 13.1865



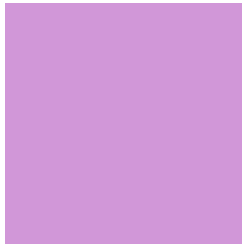
16.8744, 8.6861, 1.3767



1.0366, 0.5314, 0.1820

Previews

White Background



This preview shows how the XYZ color 49.7558, 40.6464, 70.1889 looks on a white background.

Color Contrast Check

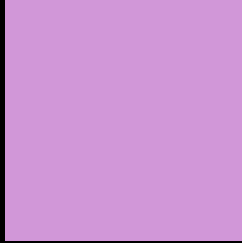
Large Text (above 18pt) WCAG AA × Fail

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 49.7558, 40.6464, 70.1889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

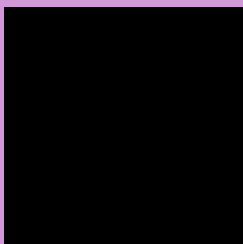
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7558, 40.6464, 70.1889

Background



This preview shows how black text looks on a background with the XYZ color 49.7558, 40.6464, 70.1889.



This preview shows how white text looks on a background with the XYZ color 49.7558, 40.6464,

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

49.7558, 40.6464, 70.1889

Protanopia

41.6573, 40.9031, 79.8283

Deuteranopia

41.9492, 41.0248, 68.6584



Tritanopia

44.6458, 40.8167, 44.5550

Trichromacy



Original Color

49.7558, 40.6464, 70.1889

Protanomaly

43.8304, 40.2211, 75.9744

Deuteranomaly

44.3493, 40.6408, 69.1253

Tritanomaly

46.3109, 40.7239, 52.9966

Monochromacy



Original Color

49.7558, 40.6464, 70.1889

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 49.7558, 40.6464, 70.1889 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, 151, 216)` looks like.

```
.text, #text, p{  
    color:rgb(209, 151, 216)  
}
```

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, 151, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 151, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.7558, 40.6464, 70.1889 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, 151, 216) }
```


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

```
.border{ border-color:rgb(209, 151, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 151, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 151, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 151, 216);  
box-shadow:4px 4px 4px 4px rgb(209, 151,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7558, 40.6464, 70.1889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 151, 216) }
```

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

```
.background{ background-color: rgb(209,  
151, 216) }
```

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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