

Converting Colors

XYZ(50.0267, 41.9135, 75.8257)

Have a look what the booklet for
XYZ(50.0267, 41.9135, 75.8257)
contains.

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Color

**XYZ(49.9716, 41.8553,
75.9661)**

Conversions

Conversions Part 1

Format	Color
Hex	CB9CE0
RGB	203, 156, 224
RGB Percent	80%, 61%, 88%
CMY	0.2039, 0.3882, 0.1216
CMYK	0.09, 0.30, 0.00, 0.12
HSL	281°, 52%, 75%
HSV	281°, 30%, 88%
XYZ	49.9716, 41.8553, 75.9661
YIQ	177.8050, 6.1840, 31.1120

Conversions

Conversions Part 2

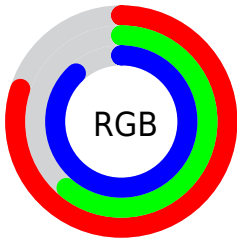
Format	Color
R _Y B	203, 156, 224
Decimal	13343968
CIE Lab	70.77, 29.54, -27.78
CIE LCh	71, 40.549, 316.757
Yxy	41.8553, 0.2978, 0.2494
Android (android.graphics.Color)	4291534048 (0xFFCB9CE0)
YUV	177.8050, 22.7741, 22.0960
Hunter-Lab	64.6957, 24.6578, -24.3318

Details

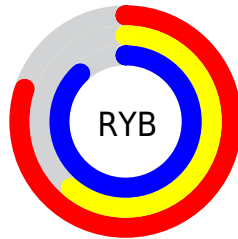
The XYZ color **49.9716, 41.8553, 75.9661** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.7893, 65.0598, 41.3354**, and the grayscale version is **42.0963, 44.2886, 48.2303**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **24.3245, 19.0611, 39.9332** is the 20% darker color. If you saturate the color by 10%, you get **44.7120, 34.0699, 74.7412**, and if you desaturate by 10%, it is **56.0111, 51.0737, 77.4278**.

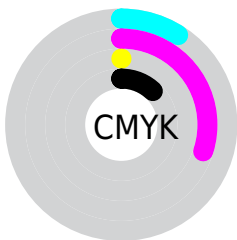
Distribution



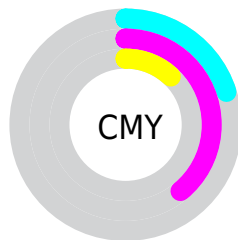
- Red (80%)
- Green (61%)
- Blue (88%)



- Red (80%)
- Yellow (61%)
- Blue (88%)



- Cyan (9%)
- Magenta (30%)
- Yellow (0%)
- Black (12%)





- Cyan (20%)
- Magenta (39%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9716, 41.8553, 75.9661 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 49.9716, 41.8553, 75.9661 by changing the saturation by 10% instead.


 49.9716, 41.8553,
75.9661


 49.9716, 41.8553,
75.9661


377.0087,
353.8827, 500.5754

 35.6085, 28.9880,
55.8982


 89.3249, 77.9806,
129.4386

 24.3007, 19.0717,
39.7179


 115.0458,
102.0074, 163.6804

 15.6828, 11.7221,
27.0065


145.2834,
130.5227, 203.4838

 9.3894, 6.5548,
17.3456

180.4030,
163.9111, 249.2675

 5.0552, 3.1853,
10.3167

220.7700,
202.5570, 301.4499

 2.3148, 1.2292,
5.5011

266.7497,

 0.8022, 0.0854,

246.8446, 360.4497

2.4803

318.7075,
297.1584, 426.6854

■ 0.0000, 0.0000,
0.8297

■ 0.0000, 0.0000,
0.0000

■ 49.9716, 41.8553,
75.9661

■ 49.9716, 41.8553,
75.9661

■ 44.7120, 34.0699,
74.7412

■ 56.0111, 51.0737,
77.4278

■ 40.1889, 27.6355,
73.7376

■ 62.8627, 61.7910,
79.1353

■ 36.3609, 22.4694,
72.9423

■ 70.5617, 74.0749,
81.1005

■ 33.1801, 18.4780,
72.3395

■ 79.1399, 87.9878,
83.3339

■ 30.5920, 15.5537,
71.9115

■ 84.3373, 95.0082,
84.4150

■ 28.5320, 13.5693,
71.6370

■ 86.6996, 96.2260,
84.5256

■ 26.9383, 12.3329,
71.4823

■ 89.1520, 97.4903,
84.6404

■ 90.4547, 98.1619,
84.7013

Harmonies

Analogous

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



43.6305, 41.8553, 91.0613



49.9716, 41.8553, 75.9661



53.7530, 41.8553, 54.6002

Triad

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



49.9716, 41.8553, 75.9661



42.8205, 41.8553, 18.1822



28.6344, 41.8553, 57.1136

Complementary

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



49.9716, 41.8553, 75.9661



50.7893, 65.0598, 41.3354

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.



28.4697, 41.8553, 37.6005



49.9716, 41.8553, 75.9661



36.1671, 41.8553, 18.5028

Square

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



49.9716, 41.8553, 75.9661



49.3213, 41.8553, 23.5584



31.0816, 41.8553, 24.6085



31.5599, 41.8553, 78.2473

Rectangle

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



49.9716, 41.8553, 75.9661



54.0643, 41.8553, 41.3509



31.0816, 41.8553, 24.6085



28.2668, 41.8553, 50.0737

Sweetspot

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



49.9730, 41.8571, 75.9670



85.6010, 84.9018, 106.4838



42.9942, 44.1070, 76.7691



18.0142, 17.6853, 22.7141



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.



49.9730, 41.8571, 75.9670



62.7509, 49.7594, 100.9049



54.4550, 44.3559, 67.6716



13.8616, 13.7122, 17.3038



15.8027, 7.2419, 41.6133



1.1857, 0.5486, 2.8886

Inverse Universe

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



50.5662, 42.8004, 47.1931



63.8374, 51.3113, 56.1479



47.4789, 63.2249, 46.9773



13.8807, 13.7699, 15.1418



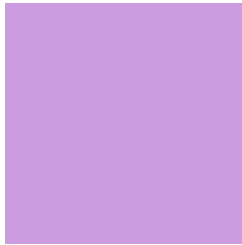
18.5670, 9.4938, 4.3857



1.3262, 0.6738, 0.5107

Previews

White Background



This preview shows how the XYZ color 49.9716, 41.8553, 75.9661 looks on a white background.

Color Contrast Check

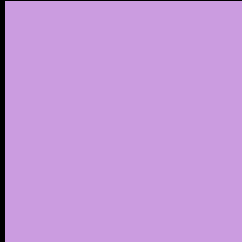
Large Text (above 18pt) WCAG AA × Fail

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 49.9716, 41.8553, 75.9661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

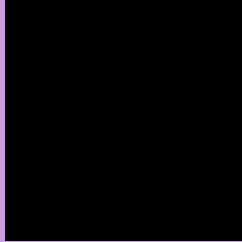
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9716, 41.8553, 75.9661

Background



This preview shows how black text looks on a background with the XYZ color 49.9716, 41.8553, 75.9661.



This preview shows how white text looks on a background with the XYZ color 49.9716, 41.8553,

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

49.9716, 41.8553, 75.9661

Protanopia

43.0759, 42.0925, 84.4516

Deuteranopia

42.9429, 41.9692, 74.2442



Tritanopia

44.2560, 41.8604, 47.8668

Trichromacy



Original Color

49.9716, 41.8553, 75.9661

Protanomaly

45.0733, 41.8126, 81.2963

Deuteranomaly

45.2304, 41.7679, 74.7854

Tritanomaly

46.3238, 41.9229, 57.2802

Monochromacy



Original Color

49.9716, 41.8553, 75.9661

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.7186, 43.2544, 57.6218

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9716, 41.8553, 75.9661 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(203, 156, 224)` looks like.

```
.text, #text, p{  
    color:rgb(203, 156, 224)  
}
```

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(203, 156, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 156, 224) }
```

Border

The CSS property to change the border of an element to XYZ 49.9716, 41.8553, 75.9661 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(203, 156, 224) }
```


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

```
.border{ border-color:rgb(203, 156, 224) }
```

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

Here you see how a box with a 4 pixel rgb(203, 156, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 156, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 156, 224);  
box-shadow:4px 4px 4px 4px rgb(203, 156,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9716, 41.8553, 75.9661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 156, 224) }
```

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

```
.background{ background-color: rgb(203,  
156, 224) }
```

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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