

Converting Colors

XYZ(47.0461, 36.7239, 75.4759)

Have a look what the booklet for
XYZ(47.0461, 36.7239, 75.4759)
contains.

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Color

**XYZ(47.0668, 36.8491,
75.1529)**

Conversions

Conversions Part 1

Format	Color
Hex	C98DE0
RGB	201, 141, 224
RGB Percent	79%, 55%, 88%
CMY	0.2118, 0.4470, 0.1216
CMYK	0.10, 0.37, 0.00, 0.12
HSL	283°, 57%, 72%
HSV	283°, 37%, 88%
XYZ	47.0668, 36.8491, 75.1529
YIQ	168.4020, 9.1170, 38.5330

Conversions

Conversions Part 2

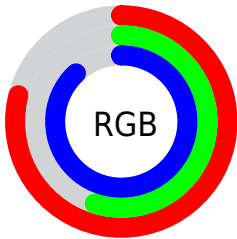
Format	Color
R _{YB}	201, 141, 224
Decimal	13209056
CIE Lab	67.16, 37.11, -33.36
CIE LCh	67, 49.904, 318.043
Yxy	36.8491, 0.2959, 0.2317
Android (android.graphics.Color)	4291399136 (0xFFC98DE0)
YUV	168.4020, 27.4098, 28.5884
Hunter-Lab	60.7035, 32.1700, -30.9106

Details

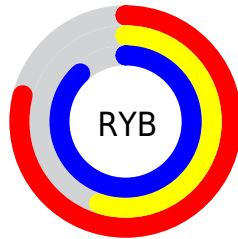
The XYZ color **47.0668, 36.8491, 75.1529** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **46.7745, 63.1278, 34.9206**, and the grayscale version is **37.2844, 39.2261, 42.7172**.

A 20% lighter version of the original color is **78.8051, 67.5102, 103.4850**, and **22.4943, 16.0829, 38.9645** is the 20% darker color. If you saturate the color by 10%, you get **42.4571, 30.0563, 74.0853**, and if you desaturate by 10%, it is **52.4143, 45.0156, 76.4479**.

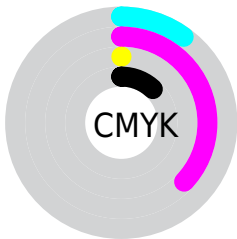
Distribution



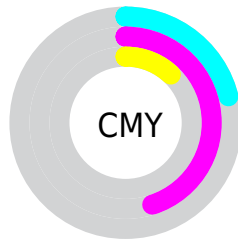
- Red (79%)
- Green (55%)
- Blue (88%)



- Red (79%)
- Yellow (55%)
- Blue (88%)



- Cyan (10%)
- Magenta (37%)
- Yellow (0%)
- Black (12%)



- Cyan (21%)
- Magenta (45%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0668, 36.8491, 75.1529 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 47.0668, 36.8491, 75.1529 by changing the saturation by 10% instead.

47.0668, 36.8491,
75.1529

47.0668, 36.8491,
75.1529

365.7256,
332.6567, 497.7124

33.2966, 25.0907,
55.2357

85.0315, 70.3406,
128.2779

22.5141, 16.1446,
39.1906

109.9567, 92.8425,
162.3227

14.3539, 9.6266,
26.5990

139.3309,
119.6944, 201.9138

8.4505, 5.1521,
17.0425

173.5196,
151.2806, 247.4697

4.4388, 2.3368,
10.1026

212.8881,
187.9855, 299.4090

1.9532, 0.7931,
5.3605

257.8016,

0.6075, 0.0000,

230.1936, 358.1502

2.3979

308.6257,
278.2892, 424.1118

■ 0.0000, 0.0000,
0.7853

■ 0.0000, 0.0000,
0.0000

■ 47.0668, 36.8491,
75.1529

■ 47.0668, 36.8491,
75.1529

■ 42.4571, 30.0563,
74.0853

■ 52.4143, 45.0156,
76.4479

■ 38.5402, 24.5510,
73.2291

■ 58.5339, 54.6258,
77.9803

■ 35.2717, 20.2447,
72.5702

■ 65.4618, 65.7504,
79.7625

■ 32.5998, 17.0352,
72.0915

■ 73.2310, 78.4541,
81.8050

■ 30.4642, 14.8030,
71.7732

■ 81.8725, 92.7976,
84.1182

■ 28.7863, 13.3920,
71.5893

■ 84.5570, 95.1215,
84.4252

■ 28.3404, 13.0557,
71.5479

■ 86.6801, 96.2160,
84.5246

■ 88.8759, 97.3480,
84.6274

■ 90.4547, 98.1619,
84.7012

Harmonies

Analogous

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



39.7528, 36.8491, 94.5900



47.0668, 36.8491, 75.1529



51.3717, 36.8491, 49.4422

Triad

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



47.0668, 36.8491, 75.1529



38.1426, 36.8491, 11.5095



22.8755, 36.8491, 54.5470

Complementary

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



47.0668, 36.8491, 75.1529



46.7745, 63.1278, 34.9206

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.



22.5742, 36.8491, 32.0542



47.0668, 36.8491, 75.1529



30.6858, 36.8491, 12.0176

Square

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



47.0668, 36.8491, 75.1529



45.7420, 36.8491, 16.3366



25.2334, 36.8491, 18.1261



26.1264, 36.8491, 80.0343

Rectangle

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



47.0668, 36.8491, 75.1529



51.5959, 36.8491, 34.5416



25.2334, 36.8491, 18.1261



22.4450, 36.8491, 46.2741

Sweetspot

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



47.0680, 36.8507, 75.1537



83.9433, 81.9463, 106.0007



37.8086, 37.7824, 75.8216



17.6948, 17.1020, 22.6183



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.



47.0680, 36.8507, 75.1537



58.5546, 42.6376, 99.7515



51.4090, 39.3556, 63.2910



13.9054, 13.7348, 17.3059



16.6127, 7.6595, 41.6512



1.2368, 0.5749, 2.8910

Inverse Universe

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



46.9674, 37.5789, 39.9016



58.6619, 43.8967, 45.3701



43.8980, 61.4776, 42.3476



13.8625, 13.7626, 15.0463



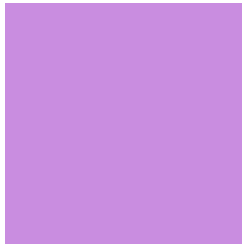
18.4425, 9.4440, 3.7298



1.3157, 0.6695, 0.4552

Previews

White Background



This preview shows how the XYZ color 47.0668, 36.8491, 75.1529 looks on a white background.

Color Contrast Check

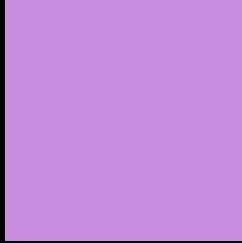
Large Text (above 18pt) WCAG AA × Fail

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 47.0668, 36.8491, 75.1529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

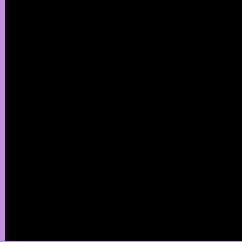
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0668, 36.8491, 75.1529

Background



This preview shows how black text looks on a background with the XYZ color 47.0668, 36.8491, 75.1529.



This preview shows how white text looks on a background with the XYZ color 47.0668, 36.8491,

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

47.0668, 36.8491, 75.1529

Protanopia

38.9543, 37.1843, 87.5622

Deuteranopia

37.8759, 36.9529, 72.8465



Tritanopia

39.9210, 36.7055, 40.5781

Trichromacy



Original Color

47.0668, 36.8491, 75.1529



Protanomaly

41.1048, 36.6288, 82.7455



Deuteranomaly

40.5431, 36.5472, 73.3241



Tritanomaly

42.1160, 36.6422, 51.3073

Monochromacy



Original Color

47.0668, 36.8491, 75.1529



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.1264, 37.7879, 52.7559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0668, 36.8491, 75.1529 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(201, 141, 224)` looks like.

```
.text, #text, p{  
    color:rgb(201, 141, 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(201, 141, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 141, 224) }
```

Border

The CSS property to change the border of an element to XYZ 47.0668, 36.8491, 75.1529 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(201, 141, 224) }
```


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

```
.border{ border-color:rgb(201, 141, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 141, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 141, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 141, 224);  
box-shadow:4px 4px 4px 4px rgb(201, 141,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0668, 36.8491, 75.1529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 141, 224) }
```

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

```
.background{ background-color: rgb(201,  
141, 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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