

Converting Colors

XYZ(48.1940, 36.7912, 71.7864)

Have a look what the booklet for
XYZ(48.1940, 36.7912, 71.7864)
contains.

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Color

**XYZ(48.1692, 36.8467,
71.5912)**

Conversions

Conversions Part 1

Format	Color
Hex	D18ADB
RGB	209, 138, 219
RGB Percent	82%, 54%, 86%
CMY	0.1804, 0.4588, 0.1412
CMYK	0.05, 0.37, 0.00, 0.14
HSL	293°, 53%, 70%
HSV	293°, 37%, 86%
XYZ	48.1692, 36.8467, 71.5912
YIQ	168.4630, 16.3150, 40.2430

Conversions

Conversions Part 2

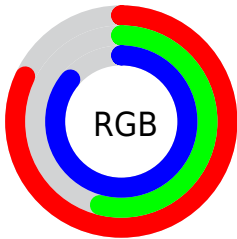
Format	Color
R_{YB}	209, 138, 219
Decimal	13732571
CIE _{Lab}	67.16, 40.18, -30.53
CIE _{LCh}	67, 50.465, 322.774
Yxy	36.8467, 0.3076, 0.2353
Android (android.graphics.Color)	4291922651 (0xFFD18ADB)
YUV	168.4630, 24.9147, 35.5509
Hunter-Lab	60.7015, 35.4197, -27.4355

Details

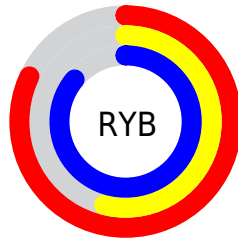
The XYZ color **48.1692, 36.8467, 71.5912** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **42.1328, 58.7948, 33.1743**, and the grayscale version is **37.3237, 39.2674, 42.7622**.

A 20% lighter version of the original color is **78.3600, 66.6199, 103.3367**, and **23.1655, 16.1082, 37.0102** is the 20% darker color. If you saturate the color by 10%, you get **44.5802, 30.7939, 70.6126**, and if you desaturate by 10%, it is **52.4071, 44.1763, 72.7831**.

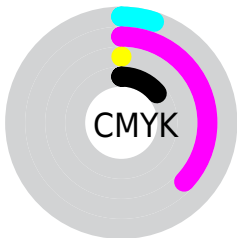
Distribution



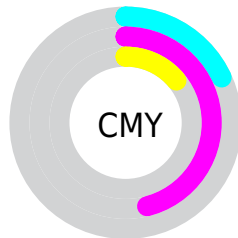
- Red (82%)
- Green (54%)
- Blue (86%)



- Red (82%)
- Yellow (54%)
- Blue (86%)



- Cyan (5%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)





- Cyan (18%)
- Magenta (46%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1692, 36.8467, 71.5912 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 48.1692, 36.8467, 71.5912 by changing the saturation by 10% instead.


 48.1692, 36.8467,
71.5912


 48.1692, 36.8467,
71.5912

370.0338,
332.6463, 485.0567


 34.1727, 25.0888,
52.3400


 86.6644, 70.3369,
123.1775

 23.1898, 16.1432,
36.8921


 111.8939, 92.8381,
156.3496

 14.8552, 9.6256,
24.8288

 141.5984,
119.6891, 194.9991

 8.8035, 5.1514,
15.7317

176.1433,
151.2744, 239.5446

 4.6693, 2.3364,
9.1822

215.8939,
187.9784, 290.4046

 2.0873, 0.7929,
4.7618

261.2157,

 0.6823, 0.0000,

230.1855, 347.9975

2.0519

312.4738,
278.2800, 412.7421

■ 0.0000, 0.0000,
0.5869

■ 0.0000, 0.0000,
0.0000

■ 48.1692, 36.8467,
71.5912

■ 48.1692, 36.8467,
71.5912

■ 44.5802, 30.7939,
70.6126

■ 52.4071, 44.1763,
72.7831

■ 41.5981, 25.9365,
69.8322

■ 57.3253, 52.8481,
74.1978

■ 39.1815, 22.1911,
69.2366

■ 62.9577, 62.9289,
75.8467

■ 37.2825, 19.4617,
68.8099

■ 69.3348, 74.4794,
77.7400

■ 35.8446, 17.6358,
68.5333

■ 76.4852, 87.5569,
79.8874

■ 34.7944, 16.5665,
68.3822

■ 79.6673, 92.6780,
80.7081

■ 34.5158, 16.3165,
68.3486

■ 80.5180, 93.1165,
80.7480

■ 81.3821, 93.5620,
80.7884

■ 82.2597, 94.0144,
80.8295

Harmonies

Analogous

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



41.0651, 36.8467, 93.2262



48.1692, 36.8467, 71.5912



51.8407, 36.8467, 45.6877

Triad

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



48.1692, 36.8467, 71.5912



36.9154, 36.8467, 11.0603



23.0770, 36.8467, 58.8535

Complementary

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



48.1692, 36.8467, 71.5912



42.1328, 58.7948, 33.1743

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.



22.3016, 36.8467, 35.0237



48.1692, 36.8467, 71.5912



29.6023, 36.8467, 12.3649

Square

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



48.1692, 36.8467, 71.5912



44.7538, 36.8467, 14.9589



24.5148, 36.8467, 19.5618



26.8138, 36.8467, 84.1870

Rectangle

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



48.1692, 36.8467, 71.5912



51.5185, 36.8467, 31.4634



24.5148, 36.8467, 19.5618



22.4862, 36.8467, 50.2340

Sweetspot

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



48.1704, 36.8483, 71.5920



85.4829, 82.7400, 106.0727



33.9847, 31.9510, 71.3944



18.0636, 17.2921, 22.6356



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.



48.1704, 36.8483, 71.5920



64.1690, 45.5319, 100.0142



47.5209, 36.9257, 52.9390



13.4480, 13.1890, 16.4891



20.5294, 9.7075, 40.5301



1.3754, 0.6523, 2.6279

Inverse Universe

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



43.6483, 35.3766, 32.5462



57.0885, 43.2673, 37.0848



42.8539, 58.8832, 46.0079



13.1211, 13.0775, 13.8991



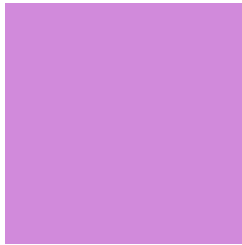
17.4613, 8.9856, 1.5434



1.1533, 0.5909, 0.2160

Previews

White Background



This preview shows how the XYZ color 48.1692, 36.8467, 71.5912 looks on a white background.

Color Contrast Check

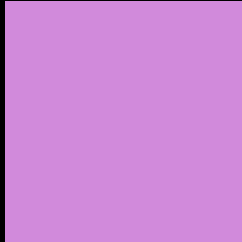
Large Text (above 18pt) WCAG AA × Fail

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 48.1692, 36.8467, 71.5912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

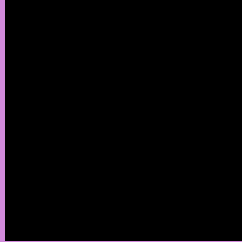
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1692, 36.8467, 71.5912

Background



This preview shows how black text looks on a background with the XYZ color 48.1692, 36.8467, 71.5912.



This preview shows how white text looks on a background with the XYZ color 48.1692, 36.8467,

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

48.1692, 36.8467, 71.5912

Protanopia

38.6784, 37.0931, 85.2419

Deuteranopia

37.9595, 37.0714, 69.4448



Tritanopia

41.4268, 36.8034, 38.6386

Trichromacy



Original Color

48.1692, 36.8467, 71.5912



Protanomaly

40.9840, 36.3881, 79.7264



Deuteranomaly

41.0195, 36.6246, 69.8730



Tritanomaly

43.6242, 36.7725, 49.0545

Monochromacy



Original Color

48.1692, 36.8467, 71.5912



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

40.5551, 37.7691, 52.1664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1692, 36.8467, 71.5912 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, 138, 219)` looks like.

```
.text, #text, p{  
    color:rgb(209, 138, 219)  
}
```

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, 138, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 138, 219) }
```

Border

The CSS property to change the border of an element to XYZ 48.1692, 36.8467, 71.5912 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, 138, 219) }
```


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

```
.border{ border-color:rgb(209, 138, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 138, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 138, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 138, 219);  
box-shadow:4px 4px 4px 4px rgb(209, 138,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1692, 36.8467, 71.5912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 138, 219) }
```

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

```
.background{ background-color: rgb(209,  
138, 219) }
```

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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