

Converting Colors

XYZ(48.1149, 36.2785, 67.4173)

Have a look what the booklet for
XYZ(48.1149, 36.2785, 67.4173)
contains.

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Color

**XYZ(48.1148, 36.2782,
67.4173)**

Conversions

Conversions Part 1

Format	Color
Hex	D587D5
RGB	213, 135, 213
RGB Percent	84%, 53%, 84%
CMY	0.1647, 0.4706, 0.1647
CMYK	0.00, 0.37, 0.00, 0.16
HSL	300°, 48%, 68%
HSV	300°, 37%, 84%
XYZ	48.1148, 36.2782, 67.4173
YIQ	167.2140, 21.4500, 40.7940

Conversions

Conversions Part 2

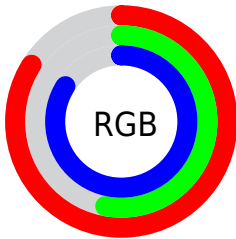
Format	Color
RYB	213, 135, 213
Decimal	13993941
CIELab	66.73, 41.89, -27.82
CIELCh	67, 50.285, 326.406
Yxy	36.2782, 0.3169, 0.2390
Android (android.graphics.Color)	4292184021 (0xFFD587D5)
YUV	167.2140, 22.5725, 40.1543
Hunter-Lab	60.2314, 37.1867, -24.2016

Details

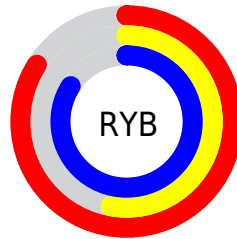
The XYZ color **48.1148, 36.2782, 67.4173** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **38.1606, 54.4899, 31.4300**, and the grayscale version is **36.7220, 38.6344, 42.0729**.

A 20% lighter version of the original color is **77.7035, 65.3069, 103.1178**, and **23.1694, 15.8232, 34.1808** is the 20% darker color. If you saturate the color by 10%, you get **45.4354, 30.9186, 66.5244**, and if you desaturate by 10%, it is **51.3911, 42.8299, 68.5099**.

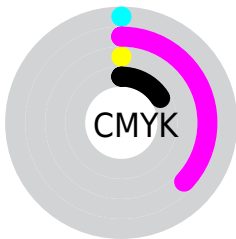
Distribution



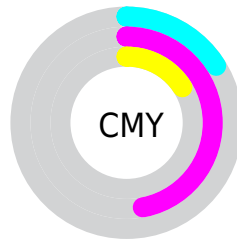
- Red (84%)
- Green (53%)
- Blue (84%)



- Red (84%)
- Yellow (53%)
- Blue (84%)



- Cyan (0%)
- Magenta (37%)
- Yellow (0%)
- Black (16%)





- Cyan (16%)
- Magenta (47%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1148, 36.2782, 67.4173 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 48.1148, 36.2782, 67.4173 by changing the saturation by 10% instead.


 48.1148, 36.2782,
67.4173

 48.1148, 36.2782,
67.4173

369.8220,
330.1749, 469.9706


 34.1294, 24.6491,
48.9601


 86.5840, 69.4612,
117.1645

 23.1564, 15.8158,
34.2225

 111.7985, 91.7840,
149.2915

 14.8304, 9.3939,
22.7858


 141.4868,
118.4401, 186.8123

 8.7860, 4.9990,
14.2316

176.0142,
149.8140, 230.1453

 4.6578, 2.2467,
8.1413

215.7460,
186.2900, 279.7091

 2.0806, 0.7453,
4.0965

261.0477,

 0.6786, 0.0000,

228.2526, 335.9222

1.6784

312.2846,
276.0861, 399.2032

■ 0.0000, 0.0000,
0.3459

■ 0.0000, 0.0000,
0.0000

■ 48.1148, 36.2782,
67.4173

■ 48.1148, 36.2782,
67.4173

■ 45.4354, 30.9186,
66.5244

■ 51.3911, 42.8299,
68.5099

■ 43.3136, 26.6751,
65.8171

■ 55.2933, 50.6344,
69.8107

■ 41.7112, 23.4702,
65.2828

■ 59.8530, 59.7538,
71.3307

■ 40.5835, 21.2150,
64.9069

■ 65.0986, 70.2448,
73.0793

■ 39.8785, 19.8051,
64.6718

■ 71.0566, 82.1609,
75.0654

■ 39.5294, 19.1068,
64.5553

■ 75.2114, 90.4705,
76.4504

■ 39.4512, 18.9504,
64.5292

■ 75.2115, 90.4705,
76.4505

■ 75.2115, 90.4705,
76.4506

■ 75.2115, 90.4705,
76.4507

Harmonies

Analogous

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



41.3837, 36.2782, 89.9753



48.1148, 36.2782, 67.4173



51.1843, 36.2782, 42.1781

Triad

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



48.1148, 36.2782, 67.4173



35.4039, 36.2782, 10.7563



22.9971, 36.2782, 61.1442

Complementary

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



48.1148, 36.2782, 67.4173



38.1606, 54.4899, 31.4300

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.



21.8760, 36.2782, 36.9393



48.1148, 36.2782, 67.4173



28.3926, 36.2782, 12.6548

Square

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



48.1148, 36.2782, 67.4173



43.1984, 36.2782, 13.9210



23.7022, 36.2782, 20.6016



27.0237, 36.2782, 85.5171

Rectangle

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



48.1148, 36.2782, 67.4173



50.4524, 36.2782, 28.8377



23.7022, 36.2782, 20.6016



22.2959, 36.2782, 52.5134

Sweetspot

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



48.1160, 36.2798, 67.4181



86.7454, 83.3908, 106.1316



30.6675, 27.2848, 66.6019



18.3668, 17.4484, 22.6498



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.



48.1160, 36.2798, 67.4181



69.0823, 48.0649, 100.2435



43.7459, 34.5318, 44.4057



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Inverse Universe

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



48.1160, 36.2798, 67.4181



69.0823, 48.0649, 100.2435



41.4274, 55.7966, 48.6324



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 48.1148, 36.2782, 67.4173 looks on a white background.

Color Contrast Check

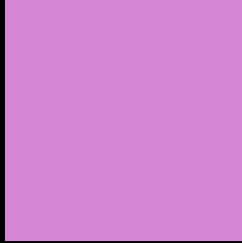
Large Text (above 18pt) WCAG AA × Fail

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 48.1148, 36.2782, 67.4173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

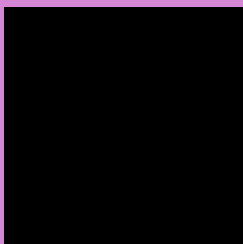
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1148, 36.2782, 67.4173

Background



This preview shows how black text looks on a background with the XYZ color 48.1148, 36.2782, 67.4173.



This preview shows how white text looks on a background with the XYZ color 48.1148, 36.2782,

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

48.1148, 36.2782, 67.4173

Protanopia

37.9515, 36.5433, 81.3972

Deuteranopia

37.2824, 36.5657, 64.7674



Tritanopia

41.9040, 36.1482, 37.1165

Trichromacy



Original Color

48.1148, 36.2782, 67.4173



Protanomaly

40.5936, 35.7849, 76.0018



Deuteranomaly

40.3787, 35.9003, 65.7740



Tritanomaly

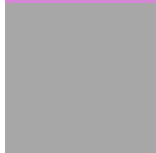
44.0034, 36.1157, 46.7713

Monochromacy



Original Color

48.1148, 36.2782, 67.4173



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.1402, 37.0937, 50.3916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1148, 36.2782, 67.4173 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(213, 135, 213)` looks like.

```
.text, #text, p{  
    color:rgb(213, 135, 213)  
}
```

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(213, 135, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 135, 213) }
```

Border

The CSS property to change the border of an element to XYZ 48.1148, 36.2782, 67.4173 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(213, 135, 213) }
```


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

```
.border{ border-color:rgb(213, 135, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 135, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 135, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 135, 213);  
box-shadow:4px 4px 4px 4px rgb(213, 135,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1148, 36.2782, 67.4173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 135, 213) }
```

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

```
.background{ background-color: rgb(213,  
135, 213) }
```

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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