

Converting Colors

XYZ(47.1753, 36.2821, 48.4717)

Have a look what the booklet for
XYZ(47.1753, 36.2821, 48.4717)
contains.

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Color

**XYZ(47.1287, 36.1937,
48.2182)**

Conversions

Conversions Part 1

Format	Color
Hex	DE87B5
RGB	222, 135, 181
RGB Percent	87%, 53%, 71%
CMY	0.1294, 0.4706, 0.2902
CMYK	0.00, 0.39, 0.18, 0.13
HSL	328°, 57%, 70%
HSV	328°, 39%, 87%
XYZ	47.1287, 36.1937, 48.2182
YIQ	166.2570, 37.0860, 32.7500

Conversions

Conversions Part 2

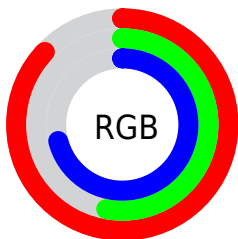
Format	Color
R _Y B	222, 135, 181
Decimal	14583733
CIE Lab	66.67, 39.42, -9.91
CIE LCh	67, 40.650, 345.883
Yxy	36.1937, 0.3583, 0.2752
Android (android.graphics.Color)	4292773813 (0xFFDE87B5)
YUV	166.2570, 7.2683, 48.8866
Hunter-Lab	60.1612, 34.5501, -5.4071

Details

The XYZ color **47.1287, 36.1937, 48.2182** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **43.9510, 60.5292, 50.4439**, and the grayscale version is **36.3241, 38.2158, 41.6170**.

A 20% lighter version of the original color is **74.9395, 64.2013, 88.5631**, and **22.5066, 15.7444, 22.2748** is the 20% darker color. If you saturate the color by 10%, you get **43.3146, 30.2193, 41.8477**, and if you desaturate by 10%, it is **51.6713, 43.4953, 55.2301**.

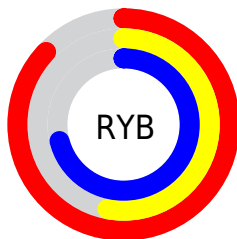
Distribution



Red (87%)

Green (53%)

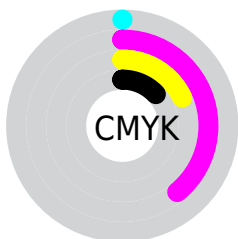
Blue (71%)



Red (87%)

Yellow (53%)

Blue (71%)

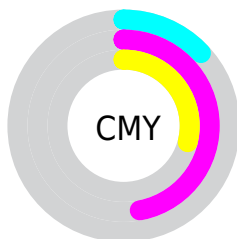


Cyan (0%)

Magenta (39%)

Yellow (18%)

Black (13%)



Cyan (13%)


Magenta (47%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1287, 36.1937, 48.2182 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 47.1287, 36.1937, 48.2182 by changing the saturation by 10% instead.


 47.1287, 36.1937,
48.2182

 47.1287, 36.1937,
48.2182


365.9683,
329.8064, 396.1900


 33.3458, 24.5838,
33.6385


 85.1233, 69.3309,
88.8981

 22.5520, 15.7673,
22.3409


 110.0656, 91.6271,
115.8354

 14.3819, 9.3596,
13.9069


 139.4585,
118.2541, 147.7290

 8.4702, 4.9765,
7.9179

173.6673,
149.5964, 184.9974

 4.4516, 2.2335,
3.9555

213.0573,
186.0384, 228.0592

 1.9607, 0.7382,
1.6009

257.9939,

 0.6117, 0.0000,

227.9645, 277.3328

0.2915

308.8425,
275.7590, 333.2369

■ 0.0000, 0.0000,
0.0000

■ 47.1287, 36.1937,
48.2182

■ 47.1287, 36.1937,
48.2182

■ 43.3146, 30.2193,
41.8477

■ 51.6713, 43.4953,
55.2301

■ 40.1837, 25.4853,
36.0936

■ 56.9779, 52.1935,
62.9026

■ 37.6901, 21.9027,
30.9322


■ 63.0854, 62.3591,
71.2564


■ 35.7807, 19.3683,
26.3363

■ 70.0272, 74.0564,
80.3106


■ 34.3929, 17.7599,
22.2755

■ 77.8349, 87.3459,
90.0834

 33.4275, 16.8823,
18.7065

 82.1797, 93.5678,
99.1394

 33.3574, 16.8229,
18.4343

 83.8122, 94.2208,
107.7361

 83.9345, 94.2697,
108.3798

Harmonies

Analogous

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



43.5645, 36.1937, 67.8495



47.1287, 36.1937, 48.2182



47.0130, 36.1937, 30.8826

Triad

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



47.1287, 36.1937, 48.2182



31.2785, 36.1937, 15.0606



26.8388, 36.1937, 68.9104

Complementary

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



47.1287, 36.1937, 48.2182



43.9510, 60.5292, 50.4439

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.



24.2741, 36.1937, 49.3755



47.1287, 36.1937, 48.2182



26.6220, 36.1937, 20.2883

Square

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



47.1287, 36.1937, 48.2182



37.3533, 36.1937, 14.9194



24.1998, 36.1937, 31.7435



31.6086, 36.1937, 81.9870

Rectangle

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



47.1287, 36.1937, 48.2182



44.8489, 36.1937, 22.7651



24.1998, 36.1937, 31.7435



25.7165, 36.1937, 62.6599

Sweetspot

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



47.1298, 36.1954, 48.2189



83.8176, 81.1123, 94.1280



39.6646, 31.7873, 73.1529



17.7003, 16.9610, 19.8212



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.



47.1298, 36.1954, 48.2189



60.1776, 42.7309, 58.8149



43.3698, 34.6914, 28.4191



14.0085, 13.8210, 15.8151



19.8702, 10.0151, 11.2480



1.4224, 0.7123, 1.0174

Inverse Universe

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



47.1298, 36.1954, 48.2189



60.1776, 42.7309, 58.8149



48.9135, 62.5141, 76.5760



14.0085, 13.8210, 15.8151



19.8702, 10.0151, 11.2480



1.4224, 0.7123, 1.0174

Previews

White Background



This preview shows how the XYZ color 47.1287, 36.1937, 48.2182 looks on a white background.

Color Contrast Check

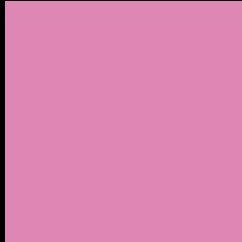
Large Text (above 18pt) WCAG AA × Fail

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 47.1287, 36.1937, 48.2182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

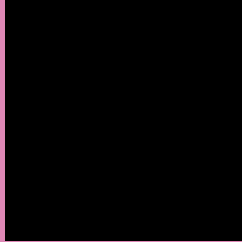
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1287, 36.1937, 48.2182

Background



This preview shows how black text looks on a background with the XYZ color 47.1287, 36.1937, 48.2182.



This preview shows how white text looks on a background with the XYZ color 47.1287, 36.1937,

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

47.1287, 36.1937, 48.2182

Protanopia

36.2643, 36.4370, 58.5478

Deuteranopia

37.1759, 36.3987, 46.6612



Tritanopia

44.3242, 36.3442, 33.9571

Trichromacy



Original Color

47.1287, 36.1937, 48.2182

Protanomaly

39.3331, 35.8459, 54.7151

Deuteranomaly

40.1774, 35.9742, 46.9456

Tritanomaly

45.2694, 36.2895, 38.8010

Monochromacy



Original Color

47.1287, 36.1937, 48.2182

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

39.3217, 36.8221, 43.5630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1287, 36.1937, 48.2182 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(222, 135, 181)` looks like.

```
.text, #text, p{  
    color:rgb(222, 135, 181)  
}
```

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(222, 135, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 135, 181) }
```

Border

The CSS property to change the border of an element to XYZ 47.1287, 36.1937, 48.2182 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(222, 135, 181) }
```


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

```
.border{ border-color:rgb(222, 135, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 135, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 135, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 135, 181);  
box-shadow:4px 4px 4px 4px rgb(222, 135,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1287, 36.1937, 48.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 135, 181) }
```

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

```
.background{ background-color: rgb(222,  
135, 181) }
```

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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