

Converting Colors

XYZ(50.5956, 37.1065, 71.7848)

Have a look what the booklet for
XYZ(50.5956, 37.1065, 71.7848)
contains.

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Color

**XYZ(50.3871, 36.9496,
71.4941)**

Conversions

Conversions Part 1

Format	Color
Hex	DB85DB
RGB	219, 133, 219
RGB Percent	86%, 52%, 86%
CMY	0.1412, 0.4784, 0.1412
CMYK	0.00, 0.39, 0.00, 0.14
HSL	300°, 54%, 69%
HSV	300°, 39%, 86%
XYZ	50.3871, 36.9496, 71.4941
YIQ	168.5180, 23.6500, 44.9780

Conversions

Conversions Part 2

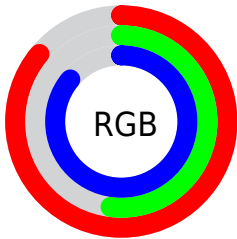
Format	Color
R _Y B	219, 133, 219
Decimal	14386651
CIE Lab	67.24, 45.88, -30.32
CIE LCh	67, 54.989, 326.541
Yxy	36.9496, 0.3172, 0.2326
Android (android.graphics.Color)	4292576731 (0xFFDB85DB)
YUV	168.5180, 24.8876, 44.2727
Hunter-Lab	60.7862, 41.5870, -27.1840

Details

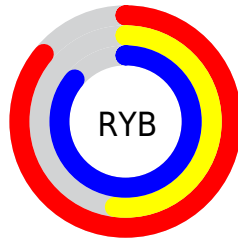
The XYZ color **50.3871, 36.9496, 71.4941** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **39.2396, 57.3443, 31.1928**, and the grayscale version is **37.3484, 39.2934, 42.7905**.

A 20% lighter version of the original color is **77.2732, 64.4464, 102.9744**, and **24.5436, 16.2466, 36.9643** is the 20% darker color. If you saturate the color by 10%, you get **47.6960, 31.5666, 70.5973**, and if you desaturate by 10%, it is **53.7057, 43.5859, 72.6008**.

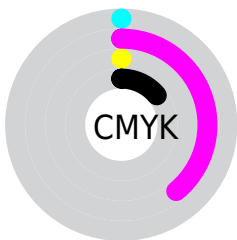
Distribution



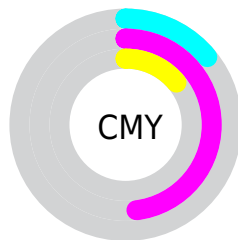
- Red (86%)
- Green (52%)
- Blue (86%)



- Red (86%)
- Yellow (52%)
- Blue (86%)



- Cyan (0%)
- Magenta (39%)
- Yellow (0%)
- Black (14%)





- Cyan (14%)
- Magenta (48%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3871, 36.9496, 71.4941 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 50.3871, 36.9496, 71.4941 by changing the saturation by 10% instead.


 50.3871, 36.9496,
71.4941


 50.3871, 36.9496,
71.4941

378.6048,
333.0923, 484.7090


 35.9401, 25.1685,
52.2612


 89.9366, 70.4953,
123.0380

 24.5579, 16.2026,
36.8296


 115.7697, 93.0286,
156.1861

 15.8749, 9.6676,
24.7809


 146.1291,
119.9148, 194.8097

 9.5260, 5.1792,
15.6963

181.3798,
151.5382, 239.3274

 5.1457, 2.3528,
9.1575

221.8875,
188.2833, 290.1576

 2.3686, 0.8014,
4.7458

268.0173,

 0.8294, 0.0000,

230.5344, 347.7189

2.0428

320.1346,
278.6759, 412.4298

■ 0.0000, 0.0000,
0.5814

■ 0.0000, 0.0000,
0.0000

■ 50.3871, 36.9496,
71.4941

■ 50.3871, 36.9496,
71.4941

■ 47.6960, 31.5666,
70.5973

■ 53.7057, 43.5859,
72.6008

■ 45.5895, 27.3537,
69.8951

■ 57.6839, 51.5422,
73.9269

■ 44.0254, 24.2254,
69.3736

■ 62.3559, 60.8863,
75.4844

■ 42.9539, 22.0825,
69.0163

■ 67.7526, 71.6797,
77.2834

42.3165, 20.8078,
68.8038

73.9031, 83.9806,
79.3336

42.0174, 20.2096,
68.7040

77.7602, 91.6948,
80.6195

42.0000, 20.1747,
68.6981

77.7602, 91.6948,
80.6196

77.7603, 91.6949,
80.6197

77.7603, 91.6949,
80.6198

Harmonies

Analogous

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



42.8403, 36.9496, 97.4053



50.3871, 36.9496, 71.4941



53.8292, 36.9496, 43.0868

Triad

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



50.3871, 36.9496, 71.4941



36.1027, 36.9496, 9.4747



22.5638, 36.9496, 64.6361

Complementary

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



50.3871, 36.9496, 71.4941



39.2396, 57.3443, 31.1928

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.



21.3414, 36.9496, 37.5058



50.3871, 36.9496, 71.4941



28.3869, 36.9496, 11.4210

Square

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



50.3871, 36.9496, 71.4941



44.7957, 36.9496, 12.6690



23.2970, 36.9496, 19.7419



26.9478, 36.9496, 92.4609

Rectangle

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



50.3871, 36.9496, 71.4941



52.9844, 36.9496, 28.4496



23.2970, 36.9496, 19.7419



21.8030, 36.9496, 54.8867

Sweetspot

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



50.3883, 36.9512, 71.4949



86.0533, 82.0066, 105.9009



30.8483, 26.8780, 70.5808



18.2287, 17.1724, 22.6037



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.



50.3883, 36.9512, 71.4949



67.9748, 45.8498, 99.8742



45.4388, 34.9714, 45.4312



13.6144, 13.2749, 16.4969



24.9037, 11.9625, 40.7342



1.6134, 0.7750, 2.6390

Inverse Universe

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



50.3883, 36.9512, 71.4949



67.9748, 45.8498, 99.8742



42.8423, 58.7854, 50.1647



13.6144, 13.2749, 16.4969



24.9037, 11.9625, 40.7342



1.6134, 0.7750, 2.6390

Previews

White Background



This preview shows how the XYZ color 50.3871, 36.9496, 71.4941 looks on a white background.

Color Contrast Check

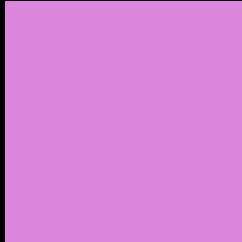
Large Text (above 18pt) WCAG AA × Fail

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 50.3871, 36.9496, 71.4941 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 50.3871, 36.9496, 71.4941

Background



This preview shows how black text looks on a background with the XYZ color 50.3871, 36.9496, 71.4941.



This preview shows how white text looks on a background with the XYZ color 50.3871, 36.9496,

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

50.3871, 36.9496, 71.4941

Protanopia

39.1033, 37.2439, 88.3469

Deuteranopia

38.0193, 37.1171, 68.7788



Tritanopia

43.2287, 36.8410, 36.7309

Trichromacy



Original Color

50.3871, 36.9496, 71.4941



Protanomaly

41.7109, 36.2319, 81.8858



Deuteranomaly

41.5927, 36.4382, 69.8068



Tritanomaly

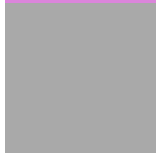
45.4947, 36.6412, 47.8546

Monochromacy



Original Color

50.3871, 36.9496, 71.4941



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

41.3516, 37.9296, 52.1554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3871, 36.9496, 71.4941 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(219, 133, 219)` looks like.

```
.text, #text, p{  
    color:rgb(219, 133, 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(219, 133, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 133, 219) }
```

Border

The CSS property to change the border of an element to XYZ 50.3871, 36.9496, 71.4941 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(219, 133, 219) }
```


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

```
.border{ border-color:rgb(219, 133, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 133, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 133, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 133, 219);  
box-shadow:4px 4px 4px 4px rgb(219, 133,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3871, 36.9496, 71.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 133, 219) }
```

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

```
.background{ background-color: rgb(219,  
133, 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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