

Converting Colors

XYZ(50.8744, 36.6648, 71.8559)

Have a look what the booklet for
XYZ(50.8744, 36.6648, 71.8559)
contains.

XYZ(50.7197, 36.5047, 72.0830)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(50.7197, 36.5047,
72.0830)**

Conversions

Conversions Part 1

Format	Color
Hex	DD82DC
RGB	221, 130, 220
RGB Percent	87%, 51%, 86%
CMY	0.1333, 0.4902, 0.1373
CMYK	0.00, 0.41, 0.00, 0.13
HSL	301°, 57%, 69%
HSV	301°, 41%, 87%
XYZ	50.7197, 36.5047, 72.0830
YIQ	167.4690, 25.3460, 47.2820

Conversions

Conversions Part 2

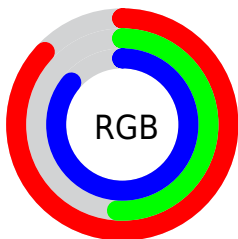
Format	Color
R _Y B	221, 130, 220
Decimal	14516956
CIE Lab	66.90, 48.21, -31.37
CIE LCh	67, 57.519, 326.947
Yxy	36.5047, 0.3184, 0.2291
Android (android.graphics.Color)	4292707036 (0xFFDD82DC)
YUV	167.4690, 25.8978, 46.9467
Hunter-Lab	60.4191, 44.1109, -28.4425

Details

The XYZ color **50.7197, 36.5047, 72.0830** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.1607, 58.0988, 30.6250**, and the grayscale version is **36.8293, 38.7473, 42.1958**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **24.7553, 15.9169, 37.3648** is the 20% darker color. If you saturate the color by 10%, you get **48.0580, 31.2319, 71.0374**, and if you desaturate by 10%, it is **54.0152, 43.0432, 73.3408**.

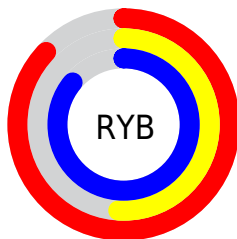
Distribution



Red (87%)

Green (51%)

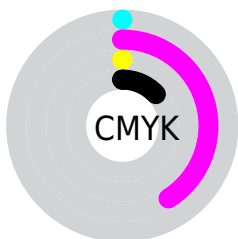
Blue (86%)



Red (87%)

Yellow (51%)

Blue (86%)

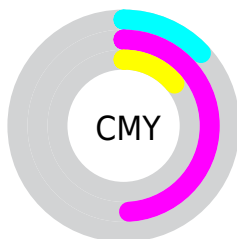


Cyan (0%)

Magenta (41%)

Yellow (0%)

Black (13%)



Cyan (13%)

Magenta (49%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7197, 36.5047, 72.0830 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 50.7197, 36.5047, 72.0830 by changing the saturation by 10% instead.

50.7197, 36.5047,
72.0830

50.7197, 36.5047,
72.0830

379.8794,
331.1611, 486.8157

36.2057, 24.8242,
52.7392

90.4258, 69.8104,
123.8833

24.7640, 15.9462,
37.2083

116.3486, 92.2043,
157.1770

16.0291, 9.4861,
25.0718

146.8050,
118.9383, 195.9577

9.6357, 5.0596,
15.9110

182.1605,
150.3966, 240.6440

5.2185, 2.2822,
9.3076

222.7803,
186.9636, 291.6544

2.4121, 0.7643,
4.8428

269.0298,

0.8511, 0.0000,

229.0238, 349.4075

2.0982

321.2744,
276.9615, 414.3217

■ 0.0000, 0.0000,
0.6147

■ 0.0000, 0.0000,
0.0000

■ 50.7197, 36.5047,
72.0830

■ 50.7197, 36.5047,
72.0830

■ 48.0580, 31.2319,
71.0374

■ 54.0152, 43.0432,
73.3408

■ 45.9855, 27.1384,
70.1881


■ 57.9779, 50.9170,
74.8209


■ 44.4580, 24.1347,
69.5206


■ 62.6433, 60.1963,
76.5355


■ 43.4232, 22.1164,
69.0177


■ 68.0435, 70.9448,
78.4952


 42.8187, 20.9586,
68.6584


 74.2084, 83.2227,
80.7100

 42.5490, 20.4643,
68.4294

 78.6917, 92.1374,
82.3646

 78.7242, 92.1504,
82.5358

 78.7567, 92.1634,
82.7072

 78.7893, 92.1764,
82.8789

Harmonies

Analogous

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



42.8566, 36.5047, 99.7005



50.7197, 36.5047, 72.0830



54.2609, 36.5047, 42.3582

Triad

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



50.7197, 36.5047, 72.0830



35.5966, 36.5047, 8.5068



21.8016, 36.5047, 65.6987

Complementary

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



50.7197, 36.5047, 72.0830



39.1607, 58.0988, 30.6250

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.



20.5109, 36.5047, 37.2462



50.7197, 36.5047, 72.0830



27.6443, 36.5047, 10.4823

Square

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



50.7197, 36.5047, 72.0830



44.6606, 36.5047, 11.5688



22.4628, 36.5047, 18.9000



26.3372, 36.5047, 95.0566

Rectangle

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



50.7197, 36.5047, 72.0830



53.3182, 36.5047, 27.3371



22.4628, 36.5047, 18.9000



21.0106, 36.5047, 55.4390

Sweetspot

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



50.7209, 36.5063, 72.0838



85.9991, 81.9849, 105.6160



30.2413, 25.9333, 71.8194



18.2159, 17.1672, 22.5361



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.



50.7209, 36.5063, 72.0838



67.0588, 44.3704, 98.4819



45.5900, 34.4539, 45.0645



13.6079, 13.2723, 16.4625



24.7199, 11.8890, 39.7667



1.6035, 0.7710, 2.5870

Inverse Universe

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



50.7209, 36.5063, 72.0838



67.0588, 44.3704, 98.4819



42.8509, 59.5749, 50.0577



13.6079, 13.2723, 16.4625



24.7199, 11.8890, 39.7667



1.6035, 0.7710, 2.5870

Previews

White Background



This preview shows how the XYZ color 50.7197, 36.5047, 72.0830 looks on a white background.

Color Contrast Check

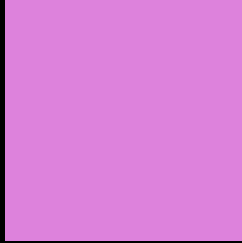
Large Text (above 18pt) WCAG AA × Fail

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 50.7197, 36.5047, 72.0830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

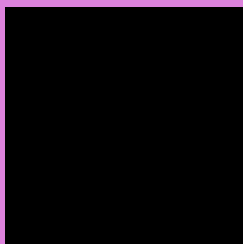
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.7197, 36.5047, 72.0830

Background



This preview shows how black text looks on a background with the XYZ color 50.7197, 36.5047, 72.0830.

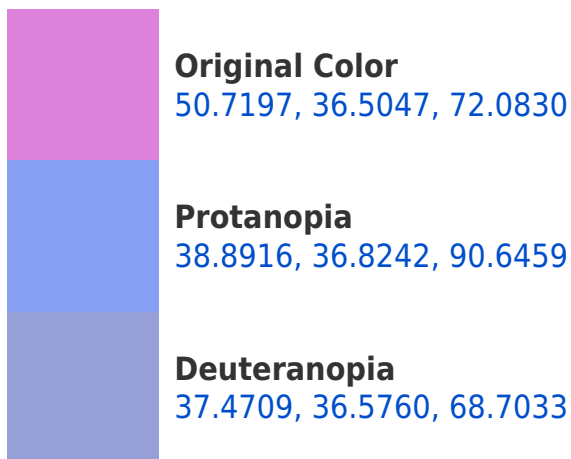


This preview shows how white text looks on a background with the XYZ color 50.7197, 36.5047,

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





Tritanopia

43.3302, 36.4592, 35.7639

Trichromacy



Original Color

50.7197, 36.5047, 72.0830



Protanomaly

41.4687, 35.6000, 83.2831



Deuteranomaly

41.0466, 35.6829, 69.6898



Tritanomaly

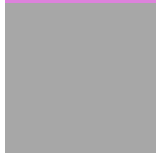
45.6882, 36.3188, 47.2500

Monochromacy



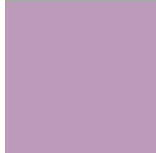
Original Color

50.7197, 36.5047, 72.0830



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

40.9120, 37.2212, 51.4825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7197, 36.5047, 72.0830 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(221, 130, 220)` looks like.

```
.text, #text, p{  
    color:rgb(221, 130, 220)  
}
```

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(221, 130, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 130, 220) }
```

Border

The CSS property to change the border of an element to XYZ 50.7197, 36.5047, 72.0830 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(221, 130, 220) }
```


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

```
.border{ border-color:rgb(221, 130, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 130, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 130, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 130, 220);  
box-shadow:4px 4px 4px 4px rgb(221, 130,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7197, 36.5047, 72.0830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 130, 220) }
```

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

```
.background{ background-color: rgb(221,  
130, 220) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor