

Converting Colors

XYZ(47.0818, 33.3629, 73.1250)

Have a look what the booklet for
XYZ(47.0818, 33.3629, 73.1250)
contains.

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Color

**XYZ(47.2564, 33.5381,
73.0901)**

Conversions

Conversions Part 1

Format	Color
Hex	D37CDE
RGB	211, 124, 222
RGB Percent	83%, 49%, 87%
CMY	0.1725, 0.5137, 0.1294
CMYK	0.05, 0.44, 0.00, 0.13
HSL	293°, 60%, 68%
HSV	293°, 44%, 87%
XYZ	47.2564, 33.5381, 73.0901
YIQ	161.1850, 20.3940, 48.9220

Conversions

Conversions Part 2

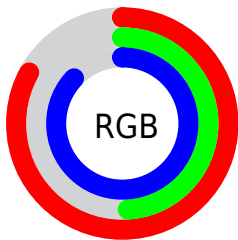
Format	Color
R_{YB}	211, 124, 222
Decimal	13860062
CIE _{Lab}	64.59, 48.72, -36.16
CIE _{LCh}	65, 60.671, 323.414
Yxy	33.5381, 0.3071, 0.2179
Android (android.graphics.Color)	4292050142 (0xFFD37CDE)
YUV	161.1850, 29.9818, 43.6878
Hunter-Lab	57.9121, 44.3103, -34.2907

Details

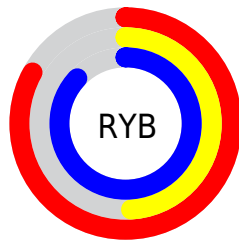
The XYZ color **47.2564, 33.5381, 73.0901** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.7522, 58.8495, 28.3343**, and the grayscale version is **33.8217, 35.5830, 38.7499**.

A 20% lighter version of the original color is **75.4101, 60.7202, 102.3534**, and **22.6537, 14.2282, 37.6287** is the 20% darker color. If you saturate the color by 10%, you get **44.0731, 28.2223, 72.2323**, and if you desaturate by 10%, it is **51.0793, 40.1150, 74.1586**.

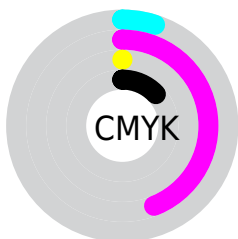
Distribution



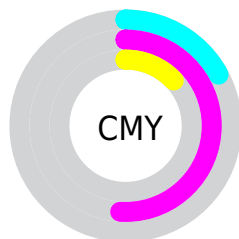
- Red (83%)
- Green (49%)
- Blue (87%)



- Red (83%)
- Yellow (49%)
- Blue (87%)



- Cyan (5%)
- Magenta (44%)
- Yellow (0%)
- Black (13%)





- Cyan (17%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2564, 33.5381, 73.0901 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 47.2564, 33.5381, 73.0901 by changing the saturation by 10% instead.


 47.2564, 33.5381,
73.0901

 47.2564, 33.5381,
73.0901


366.4689,
318.0675, 490.4062


 33.4472, 22.5390,
53.5574


 85.3126, 65.2147,
125.3272

 22.6301, 14.2535,
37.8571


 110.2904, 86.6610,
158.8687

 14.4398, 8.2972,
25.5709


 139.7217,
112.3585, 197.9168

 8.5109, 4.2857,
16.2800

173.9719,
142.6916, 242.8901

 4.4781, 1.8346,
9.5660

213.4063,
178.0446, 294.2072

 1.9760, 0.5086,
5.0103

258.3904,

 0.6204, 0.0000,

218.8020, 352.2865

2.1945

309.2895,
265.3482, 417.5467

■ 0.0000, 0.0000,
0.6712

■ 0.0000, 0.0000,
0.0000

■ 47.2564, 33.5381,
73.0901

■ 47.2564, 33.5381,
73.0901

■ 44.0731, 28.2223,
72.2323

■ 51.0793, 40.1150,
74.1586

■ 41.4833, 24.0779,
71.5689


■ 55.5769, 48.0256,
75.4484


■ 39.4403, 21.0109,
71.0846


■ 60.7859, 57.3425,
76.9722


■ 37.8886, 18.9104,
70.7609


■ 66.7394, 68.1317,
78.7410


 36.7609, 17.6416,
70.5754


 73.4682, 80.4548,
80.7649

 36.2326, 17.1555,
70.5094

 80.2940, 92.9550,
82.8179

 81.0809, 93.3607,
82.8548

 81.8792, 93.7722,
82.8921

 82.6889, 94.1897,
82.9300

Harmonies

Analogous

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



38.9849, 33.5381, 100.3472



47.2564, 33.5381, 73.0901



51.5135, 33.5381, 42.2830

Triad

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



47.2564, 33.5381, 73.0901



33.8313, 33.5381, 6.6305



18.8755, 33.5381, 59.0128

Complementary

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



47.2564, 33.5381, 73.0901



39.7522, 58.8495, 28.3343

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.



17.9975, 33.5381, 31.3011



47.2564, 33.5381, 73.0901



25.6902, 33.5381, 7.8614

Square

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



47.2564, 33.5381, 73.0901



42.9040, 33.5381, 10.0013



20.2589, 33.5381, 14.7833



22.9225, 33.5381, 89.9639

Rectangle

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



47.2564, 33.5381, 73.0901



51.0394, 33.5381, 26.5070



20.2589, 33.5381, 14.7833



18.2345, 33.5381, 48.7754

Sweetspot

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



47.2576, 33.5396, 73.0908



84.0158, 79.9440, 105.6104



30.2229, 27.0097, 72.7283



17.6197, 16.4574, 22.4979



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.



47.2576, 33.5396, 73.0908



60.6261, 39.1125, 98.9619



46.0302, 33.4252, 49.6128



14.1356, 13.8534, 17.3166



21.5808, 10.2206, 41.8837



1.5396, 0.7310, 2.9052

Inverse Universe

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



41.7061, 31.6956, 26.8429



52.3130, 36.4067, 27.1989



40.9177, 59.1218, 43.2373



13.7695, 13.7254, 14.5562



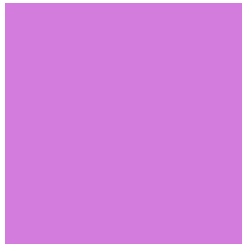
18.0172, 9.2739, 1.4906



1.2700, 0.6513, 0.2149

Previews

White Background



This preview shows how the XYZ color 47.2564, 33.5381, 73.0901 looks on a white background.

Color Contrast Check

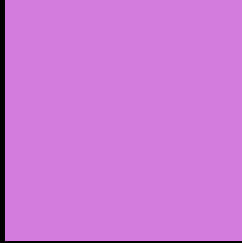
Large Text (above 18pt) WCAG AA × Fail

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 47.2564, 33.5381, 73.0901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

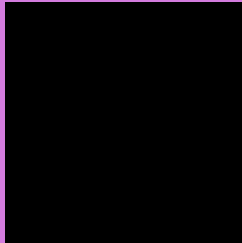
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2564, 33.5381, 73.0901

Background



This preview shows how black text looks on a background with the XYZ color 47.2564, 33.5381, 73.0901.



This preview shows how white text looks on a background with the XYZ color 47.2564, 33.5381,

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

47.2564, 33.5381, 73.0901

Protanopia

36.3701, 33.9642, 92.6345

Deuteranopia

34.5972, 33.8038, 69.6671



Tritanopia

39.0514, 33.4080, 33.6683

Trichromacy



Original Color

47.2564, 33.5381, 73.0901



Protanomaly

38.5815, 32.6880, 85.1649



Deuteranomaly

38.1452, 33.0078, 70.6903



Tritanomaly

41.6377, 33.2037, 45.8094

Monochromacy



Original Color

47.2564, 33.5381, 73.0901



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

37.7276, 34.1824, 49.4092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2564, 33.5381, 73.0901 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(211, 124, 222)` looks like.

```
.text, #text, p{  
    color:rgb(211, 124, 222)  
}
```

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(211, 124, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 124, 222) }
```

Border

The CSS property to change the border of an element to XYZ 47.2564, 33.5381, 73.0901 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(211, 124, 222) }
```


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

```
.border{ border-color:rgb(211, 124, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 124, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 124, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 124, 222);  
box-shadow:4px 4px 4px 4px rgb(211, 124,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2564, 33.5381, 73.0901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 124, 222) }
```

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

```
.background{ background-color: rgb(211,  
124, 222) }
```

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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