

Converting Colors

XYZ(47.7162, 33.1628, 75.8376)

Have a look what the booklet for
XYZ(47.7162, 33.1628, 75.8376)
contains.

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Color

**XYZ(47.7162, 33.1628,
75.8376)**

Conversions

Conversions Part 1

Format	Color
Hex	D479E2
RGB	212, 121, 226
RGB Percent	83%, 47%, 89%
CMY	0.1686, 0.5255, 0.1137
CMYK	0.06, 0.46, 0.00, 0.11
HSL	292°, 64%, 68%
HSV	292°, 46%, 89%
XYZ	47.7162, 33.1628, 75.8376
YIQ	160.1790, 20.5310, 51.9470

Conversions

Conversions Part 2

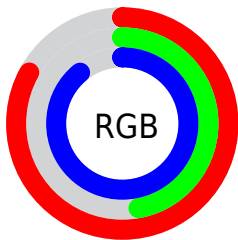
Format	Color
RYB	212, 121, 226
Decimal	13924834
CIELab	64.29, 51.30, -38.85
CIElCh	64, 64.348, 322.862
Yxy	33.1628, 0.3045, 0.2116
Android (android.graphics.Color)	4292114914 (0xFFD479E2)
YUV	160.1790, 32.4498, 45.4470
Hunter-Lab	57.5872, 47.1260, -37.7691

Details

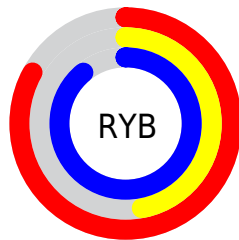
The XYZ color **47.7162, 33.1628, 75.8376** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.6403, 60.9249, 27.7084**, and the grayscale version is **33.3457, 35.0822, 38.2046**.

A 20% lighter version of the original color is **74.8153, 59.5307, 102.1551**, and **22.8404, 14.0051, 39.5296** is the 20% darker color. If you saturate the color by 10%, you get **44.4244, 27.8559, 74.9873**, and if you desaturate by 10%, it is **51.6698, 39.7674, 76.9045**.

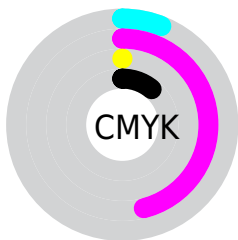
Distribution



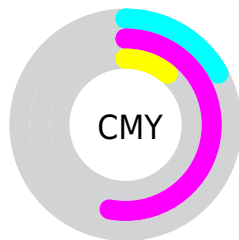
- Red (83%)
- Green (47%)
- Blue (89%)



- Red (83%)
- Yellow (47%)
- Blue (89%)



- Cyan (6%)
- Magenta (46%)
- Yellow (0%)
- Black (11%)




- Cyan (17%)
- Magenta (53%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7162, 33.1628, 75.8376 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 47.7162, 33.1628, 75.8376 by changing the saturation by 10% instead.


 47.7162, 33.1628,
75.8376


 47.7162, 33.1628,
75.8376

368.2674,
316.3827, 500.1236

 33.8125, 22.2512,
55.7935


 85.9940, 64.6296,
129.2553

 22.9118, 14.0416,
39.6345


 111.0987, 85.9536,
163.4660

 14.6487, 8.1496,
26.9421


 140.6679,
111.5172, 203.2359

 8.6579, 4.1908,
17.2977

175.0669,
141.7048, 248.9837

 4.5741, 1.7809,
10.2827

214.6610,
176.9007, 301.1278

 2.0318, 0.4752,
5.4788

259.8155,

 0.6517, 0.0000,

217.4894, 360.0868

2.4672

310.8959,
263.8553, 426.2792

■ 0.0000, 0.0000,
0.8227

■ 0.0000, 0.0000,
0.0000

■ 47.7162, 33.1628,
75.8376

■ 47.7162, 33.1628,
75.8376

■ 44.4244, 27.8559,
74.9873

■ 51.6698, 39.7674,
76.9045

■ 41.7453, 23.7513,
74.3362


■ 56.3229, 47.7478,
78.1997

■ 39.6282, 20.7471,
73.8679


■ 61.7146, 57.1810,
79.7363


■ 38.0130, 18.7228,
73.5623


■ 67.8800, 68.1371,
81.5261


 36.8235, 17.5264,
73.3941


 74.8518, 80.6815,
83.5799

 36.4582, 17.2091,
73.3521

 82.1467, 93.8474,
85.7367

 83.1226, 94.3505,
85.7824

 84.1154, 94.8623,
85.8289

 85.1250, 95.3828,
85.8761

Harmonies

Analogous

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



38.8563, 33.1628, 105.2154



47.7162, 33.1628, 75.8376



52.3821, 33.1628, 42.7338

Triad

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



47.7162, 33.1628, 75.8376



33.7558, 33.1628, 5.6472



17.9367, 33.1628, 59.4169

Complementary

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



47.7162, 33.1628, 75.8376



40.6403, 60.9249, 27.7084

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.



17.0954, 33.1628, 30.2063



47.7162, 33.1628, 75.8376



25.1711, 33.1628, 6.7467

Square

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



47.7162, 33.1628, 75.8376



43.3711, 33.1628, 9.0051



19.4792, 33.1628, 13.4420



22.0525, 33.1628, 92.9604

Rectangle

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



47.7162, 33.1628, 75.8376



51.9555, 33.1628, 26.0197



19.4792, 33.1628, 13.4420



17.2989, 33.1628, 48.5172

Sweetspot

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



47.7174, 33.1642, 75.8383



82.9703, 78.4081, 105.3690



30.2780, 26.8855, 75.5455



17.4001, 16.1481, 22.4498



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.



47.7174, 33.1642, 75.8383



58.4453, 36.6787, 98.6070



47.2257, 33.4542, 51.2643



14.1059, 13.8381, 17.3152



20.8725, 9.8555, 41.8506



1.4973, 0.7092, 2.9032

Inverse Universe

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



42.5756, 31.5942, 26.7774



51.1692, 34.5377, 25.5274



41.3841, 60.9791, 42.6193



13.7813, 13.7301, 14.6183



18.0525, 9.2880, 1.6762



1.2756, 0.6535, 0.2444

Previews

White Background



This preview shows how the XYZ color 47.7162, 33.1628, 75.8376 looks on a white background.

Color Contrast Check

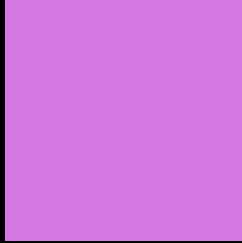
Large Text (above 18pt) WCAG AA × Fail

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 47.7162, 33.1628, 75.8376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

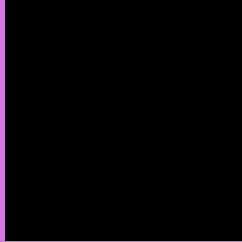
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7162, 33.1628, 75.8376

Background



This preview shows how black text looks on a background with the XYZ color 47.7162, 33.1628, 75.8376.



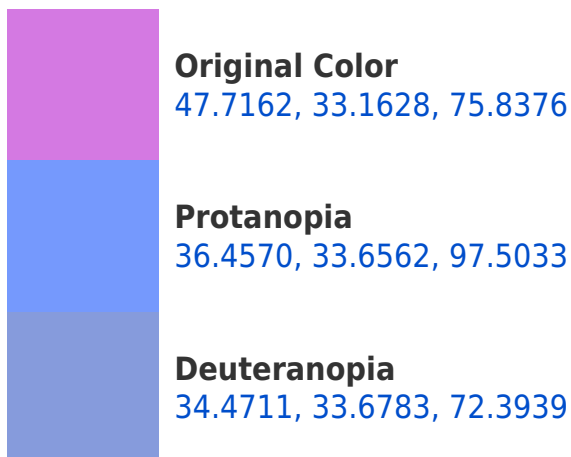
This preview shows how white text looks on a background with the XYZ color 47.7162, 33.1628,

75.8376.

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

39.0146, 33.1917, 32.7841

Trichromacy



Original Color

47.7162, 33.1628, 75.8376



Protanomaly

38.6514, 32.1962, 88.9714



Deuteranomaly

37.9076, 32.6002, 73.4018



Tritanomaly

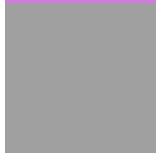
41.6407, 32.7987, 45.7310

Monochromacy



Original Color

47.7162, 33.1628, 75.8376



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

37.5210, 33.6022, 49.8557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7162, 33.1628, 75.8376 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(212, 121, 226)` looks like.

```
.text, #text, p{  
    color:rgb(212, 121, 226)  
}
```

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(212, 121, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 121, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.7162, 33.1628, 75.8376 is called "border". The border property can be set on classes, ids or directly on the HTML element.

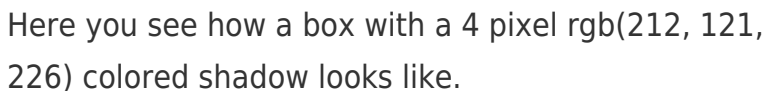
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(212, 121, 226) }
```


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

```
.border{ border-color:rgb(212, 121, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(212, 121, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(212, 121, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(212, 121, 226); box-shadow:4px 4px 4px 4px rgb(212, 121, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7162, 33.1628, 75.8376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 121, 226) }
```

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

```
.background{ background-color: rgb(212,  
121, 226) }
```

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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