

# Converting Colors

XYZ(47.5118, 30.0169, 74.2863)

Have a look what the booklet for  
XYZ(47.5118, 30.0169, 74.2863)  
contains.

<b>XYZ(47.5554, 29.9991, 74.5181)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.5554, 29.9991,  
74.5181)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB66E1
RGB	219, 102, 225
RGB Percent	86%, 40%, 88%
CMY	0.1412, 0.6000, 0.1176
CMYK	0.03, 0.55, 0.00, 0.12
HSL	297°, 67%, 64%
HSV	297°, 55%, 88%
XYZ	47.5554, 29.9991, 74.5181
YIQ	151.0050, 30.2490, 63.0570

# Conversions

## Conversions Part 2

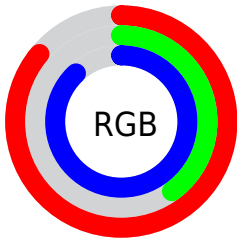
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 102, 225</a>
Decimal	<a href="#">14378721</a>
CIELab	<a href="#">61.65, 62.23, -42.37</a>
CIELCh	<a href="#">62, 75.279, 325.752</a>
Yxy	<a href="#">29.9991, 0.3127, 0.1973</a>
Android (android.graphics.Color)	<a href="#">4292568801 (0xFFDB66E1)</a>
YUV	<a href="#">151.0050, 36.4795, 59.6316</a>
Hunter-Lab	<a href="#">54.7714, 59.1329, -42.3257</a>

# Details

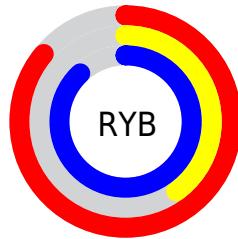
The XYZ color **47.5554, 29.9991, 74.5181** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.5088, 57.9986, 21.8952**, and the grayscale version is **29.2586, 30.7824, 33.5220**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **22.7601, 12.2430, 38.6997** is the 20% darker color. If you saturate the color by 10%, you get **45.3080, 25.9921, 73.8635**, and if you desaturate by 10%, it is **50.4070, 35.2098, 75.3740**.

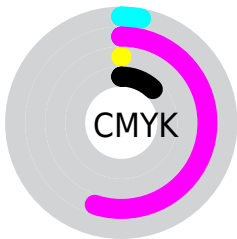
# Distribution



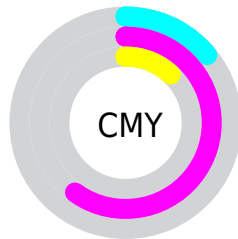
- Red (86%)
- Green (40%)
- Blue (88%)



- Red (86%)
- Yellow (40%)
- Blue (88%)



- Cyan (3%)
- Magenta (55%)
- Yellow (0%)
- Black (12%)




- Cyan (14%)
- Magenta (60%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5554, 29.9991, 74.5181 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 47.5554, 29.9991, 74.5181 by changing the saturation by 10% instead.




 47.5554, 29.9991,  
74.5181


 47.5554, 29.9991,  
74.5181

367.6391,  
301.9003, 495.4707


 33.6847, 19.8379,  
54.7188


 85.7558, 59.6608,  
127.3708

 22.8132, 12.2773,  
38.7796


 110.8162, 79.9300,  
161.2613

 14.5756, 6.9328,  
26.2818


 140.3372,  
104.3374, 200.6860

 8.6064, 3.4201,  
16.8069

 174.6842,  
133.2673, 246.0634

 4.5404, 1.3548,  
9.9364

214.2226,  
167.1042, 297.8120

 2.0122, 0.1830,  
5.2518

259.3176,

 0.6408, 0.0000,

206.2324, 356.3504

2.3344

310.3346,  
251.0362, 422.0971

■ 0.0000, 0.0000,  
0.7504

■ 0.0000, 0.0000,  
0.0000

■ 47.5554, 29.9991,  
74.5181

■ 47.5554, 29.9991,  
74.5181

■ 45.3080, 25.9921,  
73.8635

■ 50.4070, 35.2098,  
75.3740

■ 43.6119, 23.0852,  
73.3919


■ 53.9039, 41.7085,  
76.4441

■ 42.4103, 21.1641,  
73.0844


■ 58.0872, 49.5768,  
77.7423


■ 41.6327, 20.0877,  
72.9176


■ 62.9937, 58.8883,  
79.2810


 41.3299, 19.7364,  
72.8657

 68.6577, 69.7114,  
81.0716

 75.1110, 82.1100,  
83.1246

 80.9295, 93.2358,  
84.9654

 81.2762, 93.4145,  
84.9817

 81.6250, 93.5943,  
84.9980

# Harmonies

## Analogous

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



37.7151, 29.9991, 111.6627



47.5554, 29.9991, 74.5181



52.3235, 29.9991, 36.9178

# Triad

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



47.5554, 29.9991, 74.5181



29.9623, 29.9991, 2.7688



14.4586, 29.9991, 62.9261

# Complementary

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



47.5554, 29.9991, 74.5181



35.5088, 57.9986, 21.8952

# 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.



13.3091, 29.9991, 28.7501



47.5554, 29.9991, 74.5181



20.9449, 29.9991, 3.9277

# Square

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



47.5554, 29.9991, 74.5181



40.7684, 29.9991, 5.0083



15.3839, 29.9991, 10.4332



18.9989, 29.9991, 102.6543



# Rectangle

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



47.5554, 29.9991, 74.5181



51.3262, 29.9991, 19.8736



15.3839, 29.9991, 10.4332



13.7161, 29.9991, 50.0203

# Sweetspot

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



47.5565, 30.0004, 74.5187



82.6589, 76.2990, 104.9783



24.4498, 19.0193, 73.6170



17.3923, 15.7605, 22.3754



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.



47.5565, 30.0004, 74.5187



59.7181, 33.7241, 97.9697



43.0263, 28.4007, 41.0724



14.2255, 13.8998, 17.3208



23.8458, 11.3882, 41.9897



1.6735, 0.8000, 2.9115



# Inverse Universe

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



38.5105, 26.5943, 17.2922



46.6854, 28.8525, 13.9132



38.5215, 59.1223, 41.4381



13.7342, 13.7113, 14.3705



17.9402, 9.2431, 1.0850

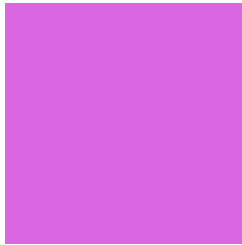


1.2532, 0.6446, 0.1262



# Previews

## White Background



This preview shows how the XYZ color 47.5554, 29.9991, 74.5181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

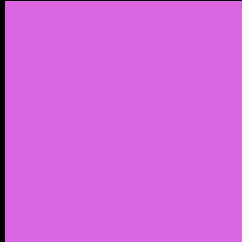
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5554, 29.9991, 74.5181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

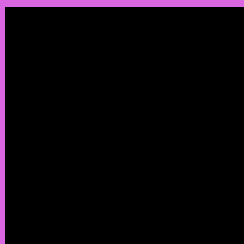
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 47.5554, 29.9991, 74.5181

## Background



This preview shows how black text looks on a background with the XYZ color 47.5554, 29.9991, 74.5181.



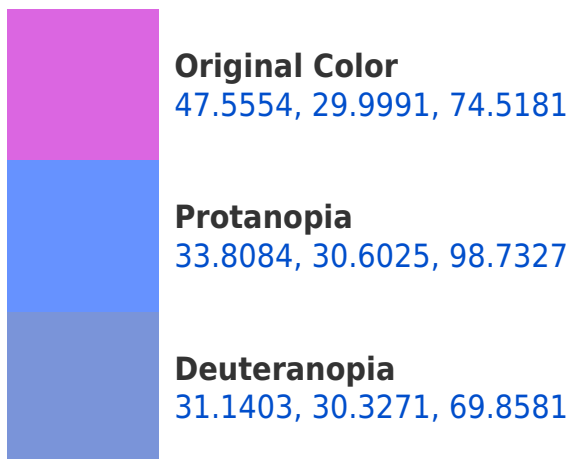
This preview shows how white text looks on a background with the XYZ color 47.5554, 29.9991,



# 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

37.7192, 29.8264, 26.6907

# Trichromacy



## Original Color

47.5554, 29.9991, 74.5181



## Protanomaly

35.9888, 28.5167, 89.1954



## Deuteranomaly

34.9392, 28.5680, 71.3828



## Tritanomaly

40.5806, 29.5468, 40.6101

# Monochromacy



## Original Color

47.5554, 29.9991, 74.5181



## Achromatopsia

29.4150, 30.9469, 33.7012



## Achromatomaly

34.3279, 29.2195, 45.9501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5554, 29.9991, 74.5181 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, 102, 225)` looks like.

```
.text, #text, p{  
    color:rgb(219, 102, 225)  
}
```

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, 102, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 102, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5554, 29.9991, 74.5181 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, 102, 225) }
```



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

```
.border{ border-color:rgb(219, 102, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 102, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 102, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 102, 225);  
box-shadow:4px 4px 4px 4px rgb(219, 102,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5554, 29.9991, 74.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 102, 225) }
```

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

```
.background{ background-color: rgb(219,  
102, 225) }
```

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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