

# Converting Colors

XYZ(48.4863, 33.1868, 76.5232)

Have a look what the booklet for  
XYZ(48.4863, 33.1868, 76.5232)  
contains.

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# Color

**XYZ(48.4863, 33.1868,  
76.5232)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D777E3
RGB	215, 119, 227
RGB Percent	84%, 47%, 89%
CMY	0.1569, 0.5333, 0.1098
CMYK	0.05, 0.48, 0.00, 0.11
HSL	293°, 66%, 68%
HSV	293°, 48%, 89%
XYZ	48.4863, 33.1868, 76.5232
YIQ	160.0160, 22.5480, 53.9400

# Conversions

## Conversions Part 2

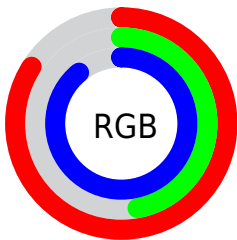
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 119, 227
Decimal	14120931
CIE Lab	64.31, 53.34, -39.35
CIE LCh	64, 66.284, 323.584
Yxy	33.1868, 0.3065, 0.2098
Android (android.graphics.Color)	4292311011 (0xFFD777E3)
YUV	160.0160, 33.0231, 48.2210
Hunter-Lab	57.6080, 49.4222, -38.4319

# Details

The XYZ color **48.4863, 33.1868, 76.5232** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.1600, 61.0961, 27.1304**, and the grayscale version is **33.2675, 35.0000, 38.1150**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **23.3995, 14.1058, 40.0175** is the 20% darker color. If you saturate the color by 10%, you get **45.3658, 28.0360, 75.6940**, and if you desaturate by 10%, it is **52.2656, 39.6365, 77.5694**.

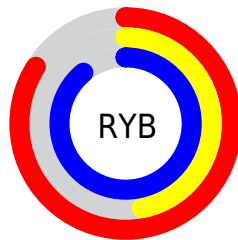
# Distribution



Red (84%)

Green (47%)

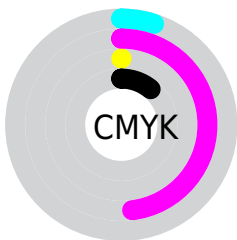
Blue (89%)



Red (84%)

Yellow (47%)

Blue (89%)

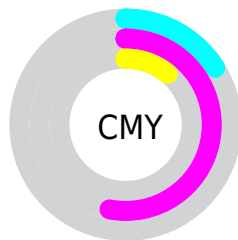


Cyan (5%)

Magenta (48%)

Yellow (0%)

Black (11%)



Cyan (16%)

Magenta (53%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4863, 33.1868, 76.5232 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 48.4863, 33.1868, 76.5232 by changing the saturation by 10% instead.





 48.4863, 33.1868,  
76.5232


 48.4863, 33.1868,  
76.5232

371.2671,  
316.4906, 502.5313


 34.4250, 22.2696,  
56.3524


 87.1333, 64.6671,  
130.2331

 23.3847, 14.0551,  
40.0796

 112.4498, 85.9989,  
164.6092

 15.0001, 8.1590,  
27.2864


 142.2487,  
111.5711, 204.5576

 8.9058, 4.1969,  
17.5541

176.8954,  
141.7679, 250.4967

 4.7364, 1.7843,  
10.4642

216.7552,  
176.9740, 302.8450

 2.1266, 0.4774,  
5.5982

262.1935,

 0.7036, 0.0000,

217.5735, 362.0212

2.5375

313.5757,  
263.9509, 428.4438

■ 0.0000, 0.0000,  
0.8599

■ 0.0000, 0.0000,  
0.0000

■ 48.4863, 33.1868,  
76.5232

■ 48.4863, 33.1868,  
76.5232

■ 45.3658, 28.0360,  
75.6940

■ 52.2656, 39.6365,  
77.5694

■ 42.8539, 24.0864,  
75.0640


■ 56.7424, 47.4650,  
78.8445


■ 40.8988, 21.2336,  
74.6164


■ 61.9563, 56.7508,  
80.3621


■ 39.4383, 19.3532,  
74.3304


■ 67.9432, 67.5652,  
82.1339


 38.3881, 18.2768,  
74.1780


 74.7363, 79.9748,  
84.1712

 38.1628, 18.0719,  
74.1503

 82.3015, 93.9113,  
86.4625

 83.1174, 94.3320,  
86.5006

 83.9451, 94.7587,  
86.5394

 84.7847, 95.1914,  
86.5787

# Harmonies

## Analogous

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



39.3621, 33.1868, 107.6075



48.4863, 33.1868, 76.5232



53.1922, 33.1868, 42.2491

# Triad

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



48.4863, 33.1868, 76.5232



33.6114, 33.1868, 5.2082



17.6808, 33.1868, 61.1268

# Complementary

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



48.4863, 33.1868, 76.5232



40.1600, 61.0961, 27.1304

# 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.



16.7461, 33.1868, 30.6408



48.4863, 33.1868, 76.5232



24.8348, 33.1868, 6.3899

# Square

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



48.4863, 33.1868, 76.5232



43.5683, 33.1868, 8.3964



19.0933, 33.1868, 13.2542



21.9631, 33.1868, 96.0458



# Rectangle

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



48.4863, 33.1868, 76.5232



52.6368, 33.1868, 25.2656



19.0933, 33.1868, 13.2542



17.0053, 33.1868, 49.7446

# Sweetspot

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



48.4875, 33.1882, 76.5239



83.2556, 78.5552, 105.3824



29.6714, 25.8638, 76.1019



17.4703, 16.1843, 22.4530



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.



48.4875, 33.1882, 76.5239



59.1345, 36.6213, 98.5596



47.0969, 33.0541, 50.1308



14.8291, 14.5297, 18.1673



22.3185, 10.5715, 43.2474



1.6945, 0.8045, 3.1979



# Inverse Universe

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



42.3732, 31.1646, 25.2561



50.5312, 33.8377, 23.5388



41.4582, 61.4130, 43.1118



14.4418, 14.3939, 15.2608



18.5998, 9.5741, 1.5217

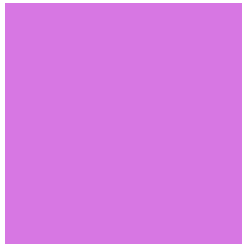


1.3963, 0.7162, 0.2274



# Previews

## White Background



This preview shows how the XYZ color 48.4863, 33.1868, 76.5232 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

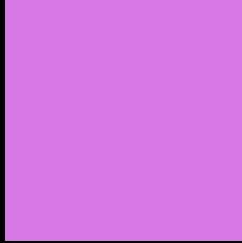
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.4863, 33.1868, 76.5232 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

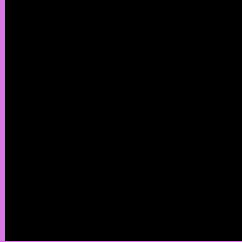
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.4863, 33.1868, 76.5232**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4863, 33.1868, 76.5232.



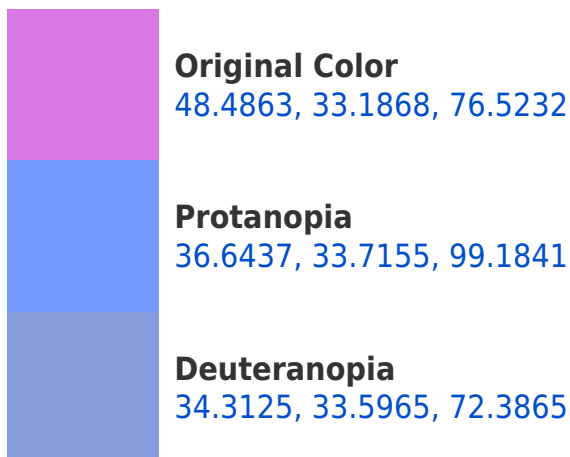
This preview shows how white text looks on a background with the XYZ color 48.4863, 33.1868,



# 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

39.3356, 33.1524, 32.3428

# Trichromacy



## Original Color

48.4863, 33.1868, 76.5232



## Protanomaly

38.9552, 32.3177, 90.5710



## Deuteranomaly

38.0965, 32.4602, 74.0696



## Tritanomaly

42.0645, 32.8168, 45.7122

# Monochromacy



## Original Color

48.4863, 33.1868, 76.5232



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

37.5995, 33.4148, 49.8154

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4863, 33.1868, 76.5232 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(215, 119, 227)` looks like.

```
.text, #text, p{  
    color:rgb(215, 119, 227)  
}
```

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(215, 119, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 119, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4863, 33.1868, 76.5232 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(215, 119, 227) }
```



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

```
.border{ border-color:rgb(215, 119, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 119, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 119, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 119, 227);  
box-shadow:4px 4px 4px 4px rgb(215, 119,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4863, 33.1868, 76.5232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 119, 227) }
```

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

```
.background{ background-color: rgb(215,  
119, 227) }
```

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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