

# Converting Colors

XYZ(48.5344, 29.7479, 73.9587)

Have a look what the booklet for  
XYZ(48.5344, 29.7479, 73.9587)  
contains.

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# Color

**XYZ(48.4697, 29.7785,  
73.7142)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E061E0
RGB	224, 97, 224
RGB Percent	88%, 38%, 88%
CMY	0.1216, 0.6196, 0.1216
CMYK	0.00, 0.57, 0.00, 0.12
HSL	300°, 67%, 63%
HSV	300°, 57%, 88%
XYZ	48.4697, 29.7785, 73.7142
YIQ	149.4510, 34.9250, 66.4210

# Conversions

## Conversions Part 2

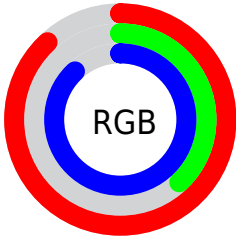
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 97, 224
Decimal	14705120
CIE Lab	61.46, 65.58, -42.06
CIE LCh	61, 77.905, 327.325
Yxy	29.7785, 0.3190, 0.1960
Android (android.graphics.Color)	4292895200 (0xFFE061E0)
YUV	149.4510, 36.7527, 65.3795
Hunter-Lab	54.5697, 63.0497, -41.8918

# Details

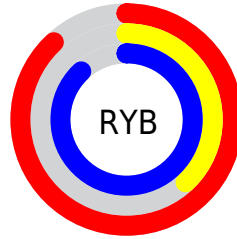
The XYZ color **48.4697, 29.7785, 73.7142** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.7444, 56.7170, 20.4799**, and the grayscale version is **28.5978, 30.0871, 32.7649**.

A 20% lighter version of the original color is **70.8456, 51.5912, 100.8319**, and **23.4246, 12.1959, 38.1652** is the 20% darker color. If you saturate the color by 10%, you get **46.6849, 26.2082, 73.1194**, and if you desaturate by 10%, it is **50.8408, 34.5199, 74.5049**.

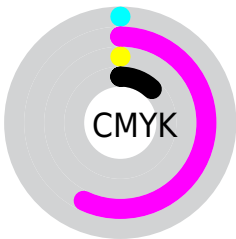
# Distribution



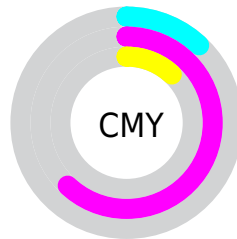
- Red (88%)
- Green (38%)
- Blue (88%)



- Red (88%)
- Yellow (38%)
- Blue (88%)



- Cyan (0%)
- Magenta (57%)
- Yellow (0%)
- Black (12%)



- Cyan (12%)
- Magenta (62%)
- Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4697, 29.7785, 73.7142 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 48.4697, 29.7785, 73.7142 by changing the saturation by 10% instead.





 48.4697, 29.7785,  
73.7142


 48.4697, 29.7785,  
73.7142

371.2026,  
300.8706, 492.6234


 34.4118, 19.6705,  
54.0648


 87.1088, 59.3117,  
126.2209

 23.3745, 12.1558,  
38.2599


 112.4207, 79.5057,  
159.9152

 14.9925, 6.8499,  
25.8811


 142.2147,  
103.8306, 199.1283

 8.9004, 3.3684,  
16.5097

 176.8560,  
132.6706, 244.2786

 4.7329, 1.3269,  
9.7273

216.7101,  
166.4102, 295.7848

 2.1245, 0.1619,  
5.1153

262.1424,

 0.7025, 0.0000,

205.4338, 354.0652

2.2552

313.5181,  
250.1258, 419.5386

■ 0.0000, 0.0000,  
0.7059

■ 0.0000, 0.0000,  
0.0000

■ 48.4697, 29.7785,  
73.7142

■ 48.4697, 29.7785,  
73.7142

■ 46.6849, 26.2082,  
73.1194

■ 50.8408, 34.5199,  
74.5049

■ 45.4327, 23.7037,  
72.7019


■ 53.8398, 40.5178,  
75.5047


■ 44.6548, 22.1481,  
72.4425


■ 57.5080, 47.8542,  
76.7275

■ 44.2758, 21.3901,  
72.3161


■ 61.8826, 56.6033,  
78.1858


 44.1955, 21.2293,  
72.2893

 66.9977, 66.8336,  
79.8910

 72.8855, 78.6092,  
81.8537

 79.5762, 91.9905,  
84.0840

 79.9557, 92.7494,  
84.2106

 79.9557, 92.7494,  
84.2107

# Harmonies

## Analogous

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



38.4068, 29.7785, 113.4664



48.4697, 29.7785, 73.7142



53.0645, 29.7785, 35.1442

# Triad

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



48.4697, 29.7785, 73.7142



29.2382, 29.7785, 2.3566



14.0990, 29.7785, 66.0659

# Complementary

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



48.4697, 29.7785, 73.7142



33.7444, 56.7170, 20.4799

# 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.



12.7676, 29.7785, 29.8474



48.4697, 29.7785, 73.7142



20.1485, 29.7785, 3.6258

# Square

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



48.4697, 29.7785, 73.7142



40.4031, 29.7785, 4.2758



14.6879, 29.7785, 10.4257



18.8986, 29.7785, 107.4721



# Rectangle

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



48.4697, 29.7785, 73.7142



51.7417, 29.7785, 18.2921



14.6879, 29.7785, 10.4257



13.2906, 29.7785, 52.4255

# Sweetspot

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



48.4708, 29.7798, 73.7148



82.7460, 75.3921, 104.7984



22.6604, 16.4741, 72.5075



17.4419, 15.5986, 22.3414



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.



48.4708, 29.7798, 73.7148



62.2770, 34.4544, 97.9748



41.4055, 26.9537, 36.5095



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770



1.7831, 0.8565, 2.9166



# Inverse Universe

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



48.4708, 29.7798, 73.7148



62.2770, 34.4544, 97.9748



37.9758, 58.4095, 42.7618



14.2951, 13.9357, 17.3241



25.7246, 12.3568, 42.0770

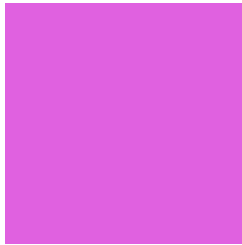


1.7831, 0.8565, 2.9166



# Previews

## White Background



This preview shows how the XYZ color 48.4697, 29.7785, 73.7142 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

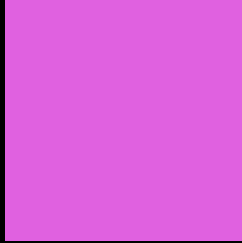
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 48.4697, 29.7785, 73.7142 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

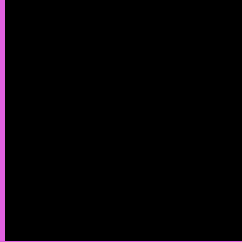
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 48.4697, 29.7785, 73.7142**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4697, 29.7785, 73.7142.



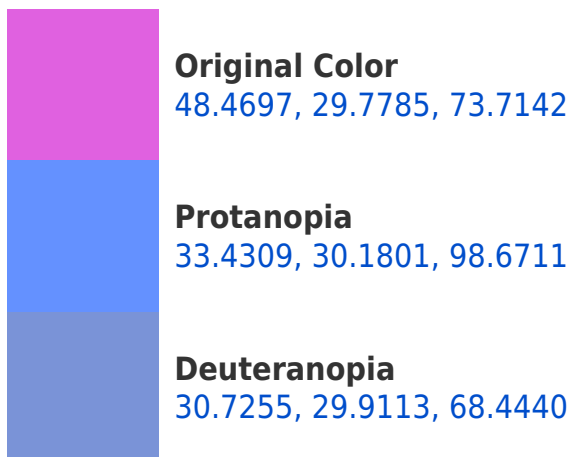
This preview shows how white text looks on a background with the XYZ color 48.4697, 29.7785,



# 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

38.4968, 29.7039, 25.1771

# Trichromacy



## Original Color

48.4697, 29.7785, 73.7142



## Protanomaly

35.7254, 27.9897, 89.1076



## Deuteranomaly

34.8032, 28.1334, 69.9256



## Tritanomaly

41.3119, 29.2786, 39.0713

# Monochromacy



## Original Color

48.4697, 29.7785, 73.7142



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

33.7236, 28.3300, 44.7651

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4697, 29.7785, 73.7142 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(224, 97, 224)` looks like.

```
.text, #text, p{  
    color:rgb(224, 97, 224)  
}
```

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(224, 97, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 97, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4697, 29.7785, 73.7142 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(224, 97, 224) }
```



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

```
.border{ border-color:rgb(224, 97, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 97, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 97, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 97, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 97,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4697, 29.7785, 73.7142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 97, 224) }
```

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

```
.background{ background-color: rgb(224, 97,  
224) }
```

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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