

# Converting Colors

XYZ(37.0593, 22.3016, 19.5727)

Have a look what the booklet for  
XYZ(37.0593, 22.3016, 19.5727)  
contains.

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# Color

**XYZ(37.0166, 22.2418,  
19.4817)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E24976
RGB	226, 73, 118
RGB Percent	89%, 29%, 46%
CMY	0.1137, 0.7137, 0.5373
CMYK	0.00, 0.68, 0.48, 0.11
HSL	342°, 73%, 59%
HSV	342°, 68%, 89%
XYZ	37.0166, 22.2418, 19.4817
YIQ	123.8770, 76.7430, 46.4310

# Conversions

## Conversions Part 2

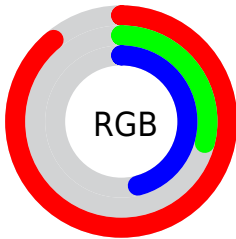
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">226, 73, 118</a>
Decimal	<a href="#">14829942</a>
CIELab	<a href="#">54.28, 62.19, 8.48</a>
CIELCh	<a href="#">54, 62.770, 7.763</a>
Yxy	<a href="#">22.2418, 0.4701, 0.2825</a>
Android (android.graphics.Color)	<a href="#">4293020022</a> ( <a href="#">0xFFE24976</a> )
YUV	<a href="#">123.8770, -2.8974, 89.5619</a>
Hunter-Lab	<a href="#">47.1612, 57.5716, 8.5209</a>

# Details

The XYZ color **37.0166, 22.2418, 19.4817** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **38.2860, 59.1460, 53.1190**, and the grayscale version is **19.1098, 20.1050, 21.8943**.

A 20% lighter version of the original color is **56.4783, 40.1275, 42.7989**, and **16.6225, 8.4415, 6.5476** is the 20% darker color. If you saturate the color by 10%, you get **34.9228, 19.4453, 14.4953**, and if you desaturate by 10%, it is **39.8112, 26.1833, 25.4932**.

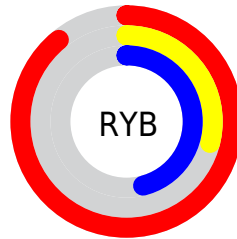
# Distribution



Red (89%)

Green (29%)

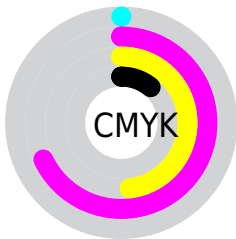
Blue (46%)



Red (89%)

Yellow (29%)

Blue (46%)

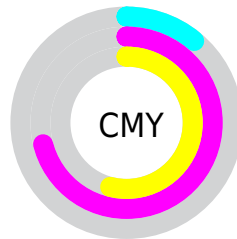


Cyan (0%)

Magenta (68%)

Yellow (48%)

Black (11%)



Cyan (11%)

Magenta (71%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0166, 22.2418, 19.4817 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 37.0166, 22.2418, 19.4817 by changing the saturation by 10% instead.





 37.0166, 22.2418,  
19.4817


 37.0166, 22.2418,  
19.4817


324.7367,  
263.8064, 261.6060


 25.3941, 14.0347,  
11.8385


 69.9120, 47.1453,  
43.3940


 16.5012, 8.1448,  
6.5126


 91.9155, 64.6105,  
60.5002


 9.9726, 4.1877,  
3.0854


 118.1102, 85.9305,  
81.5978

 5.4429, 1.7791,  
1.1384

 148.8612,  
111.4897, 107.1053

 2.5468, 0.4741,  
0.0000

 184.5340,  
141.6725, 137.4414

 0.9189, 0.0000,  
0.0000

225.4940,

 0.0000, 0.0000,

176.8633, 173.0245

0.0000

272.1064,  
217.4465, 214.2732

■ 37.0166, 22.2418,  
19.4817

■ 37.0166, 22.2418,  
19.4817

■ 34.9228, 19.4453,  
14.4953

■ 39.8112, 26.1833,  
25.4932

■ 33.4582, 17.6636,  
10.4698

■ 43.3647, 31.3740,  
32.5856


■ 32.5304, 16.7258,  
7.3313


■ 47.7310, 37.9103,  
40.8118


■ 32.3610, 16.5675,  
6.7182


■ 52.9584, 45.8784,  
50.2204

■ 59.0913, 55.3569,  
60.8573

 66.1709, 66.4190,  
72.7658

 74.2360, 79.1327,  
85.9869

 83.3231, 93.5624,  
100.5598

 85.1740, 94.9087,  
108.4378

# Harmonies

## Analogous

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



35.7856, 22.2418, 41.4346



37.0166, 22.2418, 19.4817



33.3233, 22.2418, 7.7085

# Triad

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



37.0166, 22.2418, 19.4817



14.0708, 22.2418, 4.9862



16.5469, 22.2418, 78.4248

# Complementary

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



37.0166, 22.2418, 19.4817



38.2860, 59.1460, 53.1190

# 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.



12.3604, 22.2418, 55.3484



37.0166, 22.2418, 19.4817



11.1604, 22.2418, 12.5846

# Square

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



37.0166, 22.2418, 19.4817



19.4145, 22.2418, 2.7927



10.6100, 22.2418, 29.6647



22.9652, 22.2418, 83.9204



# Rectangle

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



37.0166, 22.2418, 19.4817



28.9532, 22.2418, 4.2953



10.6100, 22.2418, 29.6647



14.8767, 22.2418, 72.0349

# Sweetspot

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



37.0172, 22.2430, 19.4821



75.6188, 69.5601, 76.4574



34.9569, 19.9729, 73.9641



15.6888, 14.1199, 15.5066



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.



37.0172, 22.2430, 19.4821



45.0861, 24.5192, 16.8787



37.4778, 26.4716, 9.4392



13.8722, 13.7665, 15.0973



18.5073, 9.4699, 4.0710



1.3212, 0.6718, 0.4844



# Inverse Universe

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



37.0172, 22.2430, 19.4821



45.0861, 24.5192, 16.8787



36.0810, 46.1183, 78.9514



13.8722, 13.7665, 15.0973



18.5073, 9.4699, 4.0710

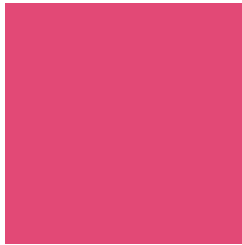


1.3212, 0.6718, 0.4844



# Previews

## White Background



This preview shows how the XYZ color 37.0166, 22.2418, 19.4817 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 37.0166, 22.2418, 19.4817 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

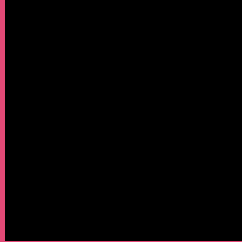
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.0166, 22.2418, 19.4817**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0166, 22.2418, 19.4817.



This preview shows how white text looks on a background with the XYZ color 37.0166, 22.2418,



# 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

37.0166, 22.2418, 19.4817

### Protanopia

22.0275, 22.3825, 31.5930

### Deuteranopia

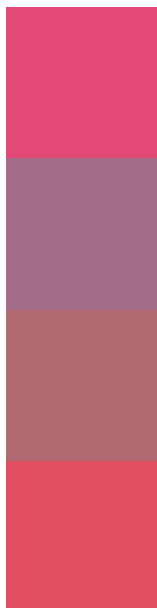
22.7805, 22.2990, 18.1424



## Tritanopia

35.2488, 22.2405, 11.0294

# Trichromacy



## Original Color

37.0166, 22.2418, 19.4817

## Protanomaly

25.1603, 20.5588, 26.6869

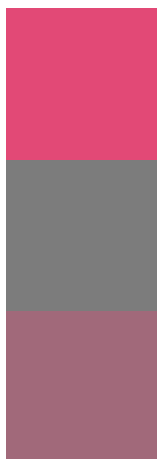
## Deuteranomaly

26.5514, 20.9880, 18.5713

## Tritanomaly

35.8629, 22.1784, 13.6999

# Monochromacy



## Original Color

37.0166, 22.2418, 19.4817

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

23.2624, 19.0854, 20.8701

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0166, 22.2418, 19.4817 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(226, 73, 118)` looks like.

```
.text, #text, p{  
    color:rgb(226, 73, 118)  
}
```

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(226, 73, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 73, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0166, 22.2418, 19.4817 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(226, 73, 118) }
```



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

```
.border{ border-color:rgb(226, 73, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 73, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 73, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 73, 118);  
box-shadow:4px 4px 4px 4px rgb(226, 73,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0166, 22.2418, 19.4817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 73, 118) }
```

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

```
.background{ background-color: rgb(226, 73,  
118) }
```

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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