

# Converting Colors

XYZ(37.1575, 19.1947, 21.3294)

Have a look what the booklet for  
XYZ(37.1575, 19.1947, 21.3294)  
contains.

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# Color

**XYZ(37.0475, 19.1486,  
21.4821)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7187E
RGB	231, 24, 126
RGB Percent	91%, 9%, 49%
CMY	0.0941, 0.9058, 0.5059
CMYK	0.00, 0.90, 0.45, 0.09
HSL	330°, 81%, 50%
HSV	330°, 90%, 91%
XYZ	37.0475, 19.1486, 21.4821
YIQ	97.5210, 90.6300, 75.6060

# Conversions

## Conversions Part 2

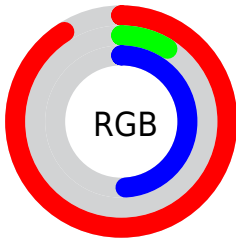
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 24, 126
Decimal	15145086
CIE <sub>Lab</sub>	50.86, 77.05, -1.15
CIE <sub>LCh</sub>	51, 77.055, 359.142
Yxy	19.1486, 0.4769, 0.2465
Android (android.graphics.Color)	4293335166 (0xFFE7187E)
YUV	97.5210, 14.0401, 117.0611
Hunter-Lab	43.7591, 74.5439, 1.5249

# Details

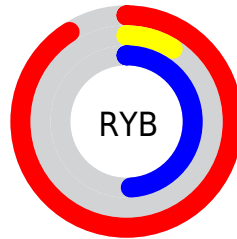
The XYZ color **37.0475, 19.1486, 21.4821** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **32.9176, 58.9319, 30.4191**, and the grayscale version is **11.4452, 12.0412, 13.1129**.

A 20% lighter version of the original color is **53.9296, 33.7817, 45.7976**, and **17.7017, 8.9708, 7.8197** is the 20% darker color. If you saturate the color by 10%, you get **36.0183, 18.2304, 17.6241**, and if you desaturate by 10%, it is **38.5437, 20.8591, 25.9331**.

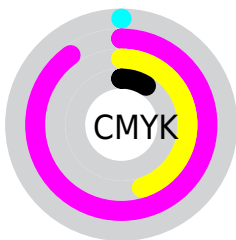
# Distribution



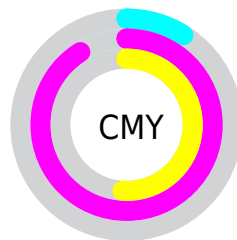
- Red (91%)
- Green (9%)
- Blue (49%)



- Red (91%)
- Yellow (9%)
- Blue (49%)



- Cyan (0%)
- Magenta (90%)
- Yellow (45%)
- Black (9%)




- Cyan (9%)
- Magenta (91%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0475, 19.1486, 21.4821 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 37.0475, 19.1486, 21.4821 by changing the saturation by 10% instead.





 37.0475, 19.1486,  
21.4821


 37.0475, 19.1486,  
21.4821


324.8681,  
247.2679, 272.6943


 25.4181, 11.7777,  
13.2822


 69.9592, 41.9850,  
46.7797


 16.5192, 6.5925,  
7.4901


 91.9722, 58.2194,  
64.7144


 9.9855, 3.2086,  
3.6874


 118.1771, 78.1770,  
86.7312

 5.4515, 1.2416,  
1.4555

 148.9394,  
102.2423, 113.2485

 2.5520, 0.0953,  
0.1844

 184.6242,  
130.7996, 144.6850

 0.9216, 0.0000,  
0.0000

 225.5970,

 0.0000, 0.0000,

164.2334, 181.4590

0.0000

272.2232,  
202.9280, 223.9893

■ 37.0475, 19.1486,  
21.4821

■ 37.0475, 19.1486,  
21.4821

■ 36.0183, 18.2304,  
17.6241

■ 38.5437, 20.8591,  
25.9331

■ 35.9813, 18.1994,  
17.4792

■ 40.6193, 23.5819,  
31.0285

■ 43.3451, 27.4543,  
36.8057

■ 46.7808, 32.5913,  
43.2976

■ 50.9786, 39.0936,  
50.5342

■ 55.9860, 47.0517,  
58.5434

■ 61.8461, 56.5485,  
67.3513

■ 68.5990, 67.6603,  
76.9825

■ 76.2821, 80.4586,  
87.4603

# Harmonies

## Analogous

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



33.8288, 19.1486, 50.4871



37.0475, 19.1486, 21.4821



34.1604, 19.1486, 6.3977

# Triad

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



37.0475, 19.1486, 21.4821



11.9765, 19.1486, 1.5029



11.6922, 19.1486, 81.2745

# Complementary

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



37.0475, 19.1486, 21.4821



32.9176, 58.9319, 30.4191

# 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.



8.1953, 19.1486, 48.5563



37.0475, 19.1486, 21.4821



8.3244, 19.1486, 5.9168

# Square

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



37.0475, 19.1486, 21.4821



18.4197, 19.1486, 0.7442



7.1577, 19.1486, 20.2296



17.9824, 19.1486, 96.8203



# Rectangle

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



37.0475, 19.1486, 21.4821



29.5184, 19.1486, 2.5203



7.1577, 19.1486, 20.2296



10.2229, 19.1486, 71.1524

# Sweetspot

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



37.0480, 19.1497, 21.4824



71.7582, 61.6121, 75.8699



23.5802, 10.9756, 76.4767



14.8544, 12.3758, 15.4611



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.



37.0480, 19.1497, 21.4824



44.9823, 22.7569, 21.6368



33.4473, 17.7094, 2.5212



14.6715, 14.4858, 16.4706



20.2342, 10.2279, 10.1281



1.5421, 0.7745, 0.9951



# Inverse Universe

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



37.0480, 19.1497, 21.4824



44.9823, 22.7569, 21.6368



43.3769, 63.1156, 85.4973



14.6715, 14.4858, 16.4706



20.2342, 10.2279, 10.1281



1.5421, 0.7745, 0.9951



# Previews

## White Background



This preview shows how the XYZ color 37.0475, 19.1486, 21.4821 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 37.0475, 19.1486, 21.4821 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 37.0475, 19.1486, 21.4821**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.0475, 19.1486, 21.4821.



This preview shows how white text looks on a background with the XYZ color 37.0475, 19.1486,



# 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

37.0475, 19.1486, 21.4821

### Protanopia

20.4467, 19.5712, 45.3478

### Deuteranopia

19.7842, 19.4521, 19.2349



## Tritanopia

33.6873, 19.2451, 5.5536

# Trichromacy



## Original Color

37.0475, 19.1486, 21.4821



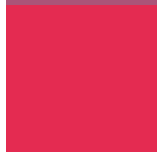
## Protanomaly

22.1713, 15.5191, 35.0846



## Deuteranomaly

23.3551, 16.3546, 19.6951



## Tritanomaly

34.3440, 18.8158, 9.6063

# Monochromacy



## Original Color

37.0475, 19.1486, 21.4821



## Achromatopsia

11.6093, 12.2139, 13.3009



## Achromatomaly

16.8141, 11.7002, 15.5595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.0475, 19.1486, 21.4821 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(231, 24, 126)` looks like.

```
.text, #text, p{  
    color:rgb(231, 24, 126)  
}
```

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(231, 24, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 24, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 37.0475, 19.1486, 21.4821 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(231, 24, 126) }
```



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

```
.border{ border-color:rgb(231, 24, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 24, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 24, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 24, 126);  
box-shadow:4px 4px 4px 4px rgb(231, 24,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.0475, 19.1486, 21.4821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 24, 126) }
```

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

```
.background{ background-color: rgb(231, 24,  
126) }
```

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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