

# Converting Colors

XYZ(37.6105, 18.7955, 28.5743)

Have a look what the booklet for  
XYZ(37.6105, 18.7955, 28.5743)  
contains.

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# Color

**XYZ(37.4239, 18.7023,  
28.4255)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E50091
RGB	229, 0, 145
RGB Percent	90%, 0%, 57%
CMY	0.1020, 0.9998, 0.4314
CMYK	0.00, 1.00, 0.37, 0.10
HSL	322°, 100%, 45%
HSV	322°, 100%, 90%
XYZ	37.4239, 18.7023, 28.4255
YIQ	85.0010, 89.9390, 93.6430

# Conversions

## Conversions Part 2

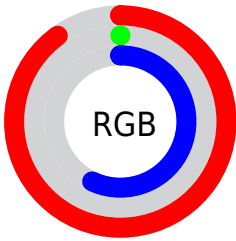
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	229, 0, 145
Decimal	15007889
CIE <sub>Lab</sub>	50.34, 80.54, -13.45
CIE <sub>LCh</sub>	50, 81.651, 350.519
Yxy	18.7023, 0.4426, 0.2212
Android (android.graphics.Color)	4293197969 (0xFFE50091)
YUV	85.0010, 29.5795, 126.2871
Hunter-Lab	43.2462, 78.7877, -8.6987

# Details

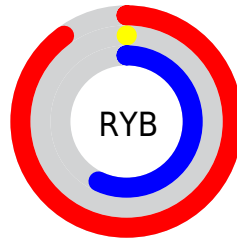
The XYZ color **37.4239, 18.7023, 28.4255** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **29.6219, 56.6797, 17.7761**, and the grayscale version is **8.5672, 9.0133, 9.8155**.

A 20% lighter version of the original color is **55.6410, 33.5679, 57.5795**, and **18.2140, 9.1511, 11.6328** is the 20% darker color. If you saturate the color by 10%, you get **37.4226, 18.7018, 28.4187**, and if you desaturate by 10%, it is **38.4015, 19.5819, 32.0671**.

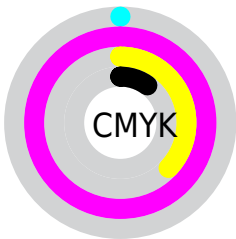
# Distribution



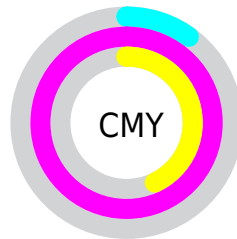
- Red (90%)
- Green (0%)
- Blue (57%)



- Red (90%)
- Yellow (0%)
- Blue (57%)



- Cyan (0%)
- Magenta (100%)
- Yellow (37%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4239, 18.7023, 28.4255 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 37.4239, 18.7023, 28.4255 by changing the saturation by 10% instead.





 37.4239, 18.7023,  
28.4255


 37.4239, 18.7023,  
28.4255

326.4659,  
244.8003, 308.4702


 25.7110, 11.4554,  
18.4048

 70.5339, 41.2304,  
58.1943

 16.7391, 6.3740,  
11.0686


 92.6617, 57.2805,  
78.7795


 10.1428, 3.0738,  
5.9982


 118.9919, 77.0336,  
103.7233

 5.5568, 1.1704,  
2.7752

 149.8898,  
100.8743, 133.4443

 2.6156, 0.0373,  
0.9810

 185.7208,  
129.1869, 168.3609

 0.9539, 0.0000,  
0.0000

 226.8503,

 0.0000, 0.0000,

162.3559, 208.8917

0.0000

273.6435,  
200.7655, 255.4553

■ 37.4239, 18.7023,  
28.4255

■ 37.4239, 18.7023,  
28.4255

■ 37.4226, 18.7018,  
28.4187

■ 38.4015, 19.5819,  
32.0671

■ 39.7882, 21.2017,  
36.0862

■ 41.7008, 23.7932,  
40.5268

■ 44.2067, 27.4900,  
45.4159

■ 47.3628, 32.4046,  
50.7770

■ 51.2192, 38.6353,  
56.6312

■ 55.8206, 46.2706,  
62.9977

■ 61.2081, 55.3911,  
69.8943

■ 67.4197, 66.0712,  
77.3379

# Harmonies

## Analogous

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



32.3105, 18.7023, 62.5848



37.4239, 18.7023, 28.4255



36.1924, 18.7023, 8.5830

# Triad

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



37.4239, 18.7023, 28.4255



12.9547, 18.7023, 0.7213



9.7451, 18.7023, 75.9797

# Complementary

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



37.4239, 18.7023, 28.4255



29.6219, 56.6797, 17.7761

# 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.



6.9881, 18.7023, 39.7948



37.4239, 18.7023, 28.4255



8.4225, 18.7023, 3.3162

# Square

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



37.4239, 18.7023, 28.4255



20.4042, 18.7023, 0.4371



6.5891, 18.7023, 13.9913



15.3837, 18.7023, 100.7797



# Rectangle

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



37.4239, 18.7023, 28.4255



32.0472, 18.7023, 3.1390



6.5891, 18.7023, 13.9913



8.5308, 18.7023, 63.8726

# Sweetspot

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



37.4245, 18.7034, 28.4258



71.1160, 58.8425, 80.2343



17.7992, 7.5428, 74.6465



14.6648, 11.6652, 16.4196



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.



37.4245, 18.7034, 28.4258



47.7123, 23.8489, 36.0125



32.5553, 16.7557, 2.7854



14.7590, 14.5208, 16.9314



21.4563, 10.7167, 16.5637



1.6299, 0.8097, 1.4575



# Inverse Universe

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



37.4245, 18.7034, 28.4258



47.7123, 23.8489, 36.0125



38.2676, 60.1380, 63.3034



14.7590, 14.5208, 16.9314



21.4563, 10.7167, 16.5637



1.6299, 0.8097, 1.4575



# Previews

## White Background



This preview shows how the XYZ color 37.4239, 18.7023, 28.4255 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 37.4239, 18.7023, 28.4255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

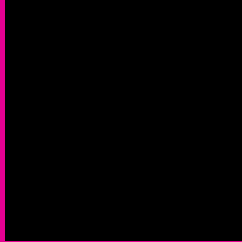
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.4239, 18.7023, 28.4255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4239, 18.7023, 28.4255.



This preview shows how white text looks on a background with the XYZ color 37.4239, 18.7023,



# 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

37.4239, 18.7023, 28.4255

### Protanopia

21.5493, 19.5867, 62.3194

### Deuteranopia

19.6040, 19.2182, 25.5979



## Tritanopia

32.9930, 19.0893, 6.0834

# Trichromacy



## Original Color

37.4239, 18.7023, 28.4255



## Protanomaly

21.4947, 13.9059, 47.4502



## Deuteranomaly

22.4861, 14.7887, 26.0955



## Tritanomaly

33.8404, 18.1687, 11.3962

# Monochromacy



## Original Color

37.4239, 18.7023, 28.4255



## Achromatopsia

8.6345, 9.0842, 9.8927



## Achromatomaly

14.2895, 9.0182, 14.8975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4239, 18.7023, 28.4255 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(229, 0, 145)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 145)  
}
```

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(229, 0, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4239, 18.7023, 28.4255 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(229, 0, 145) }
```



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

```
.border{ border-color:rgb(229, 0, 145) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 145);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4239, 18.7023, 28.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 145) }
```

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

```
.background{ background-color: rgb(229, 0,  
145) }
```

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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