

# Converting Colors

XYZ(37.9645, 25.0838, 30.6089)

Have a look what the booklet for  
XYZ(37.9645, 25.0838, 30.6089)  
contains.

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# Color

**XYZ(37.9739, 25.0427,  
30.4360)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D95F93
RGB	217, 95, 147
RGB Percent	85%, 37%, 58%
CMY	0.1490, 0.6274, 0.4235
CMYK	0.00, 0.56, 0.32, 0.15
HSL	334°, 62%, 61%
HSV	334°, 56%, 85%
XYZ	37.9739, 25.0427, 30.4360
YIQ	137.4060, 56.0200, 42.0360

# Conversions

## Conversions Part 2

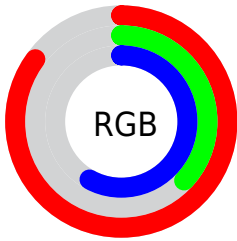
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	217, 95, 147
Decimal	14245779
CIE Lab	57.12, 53.10, -4.71
CIE LCh	57, 53.307, 354.936
Yxy	25.0427, 0.4063, 0.2680
Android (android.graphics.Color)	4292435859 (0xFFD95F93)
YUV	137.4060, 4.7298, 69.8039
Hunter-Lab	50.0427, 47.8765, -1.0303

# Details

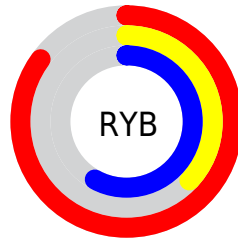
The XYZ color **37.9739, 25.0427, 30.4360** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **36.3250, 54.7758, 44.2586**, and the grayscale version is **23.9002, 25.1449, 27.3828**.

A 20% lighter version of the original color is **62.6890, 47.2897, 61.0821**, and **17.1813, 9.6850, 12.2731** is the 20% darker color. If you saturate the color by 10%, you get **35.3595, 21.2938, 25.0020**, and if you desaturate by 10%, it is **41.2398, 29.9250, 36.6094**.

# Distribution



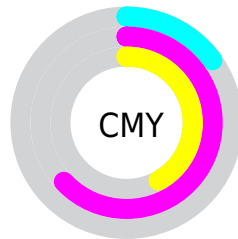
- Red (85%)
- Green (37%)
- Blue (58%)



- Red (85%)
- Yellow (37%)
- Blue (58%)



- Cyan (0%)
- Magenta (56%)
- Yellow (32%)
- Black (15%)




- Cyan (15%)
- Magenta (63%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9739, 25.0427, 30.4360 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 37.9739, 25.0427, 30.4360 by changing the saturation by 10% instead.





 37.9739, 25.0427,  
30.4360


 37.9739, 25.0427,  
30.4360


328.7908,  
278.0505, 318.2018


 26.1396, 16.1089,  
19.9149


 71.3723, 51.7265,  
61.4201


 17.0613, 9.6012,  
12.1497


 93.6670, 70.2452,  
82.7203

 10.3738, 5.1354,  
6.7220


 120.1793, 92.7277,  
108.4505

 5.7116, 2.3269,  
3.2130

 151.2744,  
119.5584, 139.0293

 2.7095, 0.7879,  
1.2044

187.3178,  
151.1216, 174.8753

 1.0021, 0.0000,  
0.0000

228.6747,

 0.0000, 0.0000,

187.8018, 216.4071

0.0000

275.7106,  
229.9833, 264.0431

■ 37.9739, 25.0427,  
30.4360

■ 37.9739, 25.0427,  
30.4360

■ 35.3595, 21.2938,  
25.0020

■ 41.2398, 29.9250,  
36.6094

■ 33.3447, 18.5803,  
20.2730

■ 45.1994, 36.0205,  
43.5515

■ 31.8724, 16.7937,  
16.2127

■ 49.8936, 43.4060,  
51.2912

■ 30.8711, 15.7966,  
12.7789

■ 55.3596, 52.1509,  
59.8554

■ 30.5683, 15.5329,  
11.6239

■ 61.6317, 62.3196,  
69.2696

■ 68.7423, 73.9724,  
79.5580

■ 76.7220, 87.1661,  
90.7440

■ 81.1040, 92.9632,  
101.3512

■ 82.4253, 93.4917,  
108.3092

# Harmonies

## Analogous

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



35.1200, 25.0427, 52.3575



37.9739, 25.0427, 30.4360



36.5200, 25.0427, 15.1293

# Triad

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



37.9739, 25.0427, 30.4360



19.0647, 25.0427, 6.3911



17.5160, 25.0427, 66.5094

# Complementary

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



37.9739, 25.0427, 30.4360



36.3250, 54.7758, 44.2586

# 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.



14.4442, 25.0427, 44.6049



37.9739, 25.0427, 30.4360



15.2219, 25.0427, 11.8319

# Square

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



37.9739, 25.0427, 30.4360



24.8845, 25.0427, 5.2871



13.6847, 25.0427, 24.3264



22.7520, 25.0427, 78.2727



# Rectangle

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



37.9739, 25.0427, 30.4360



33.4169, 25.0427, 9.4062



13.6847, 25.0427, 24.3264



16.2353, 25.0427, 59.7222

# Sweetspot

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



37.9746, 25.0440, 30.4365



78.9967, 73.8924, 85.0547



31.9552, 21.1024, 68.0346



16.5516, 15.2425, 17.6536



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.



37.9746, 25.0440, 30.4365



50.5049, 30.0571, 35.0230



35.5453, 25.3064, 13.8393



13.2852, 13.1432, 14.7631



18.5549, 9.4230, 7.3024



1.2446, 0.6275, 0.6971



# Inverse Universe

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



37.9746, 25.0440, 30.4365



50.5049, 30.0571, 35.0230



40.0123, 52.9788, 73.7627



13.2852, 13.1432, 14.7631



18.5549, 9.4230, 7.3024



1.2446, 0.6275, 0.6971



# Previews

## White Background



This preview shows how the XYZ color 37.9739, 25.0427, 30.4360 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

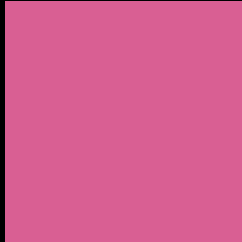
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.9739, 25.0427, 30.4360 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

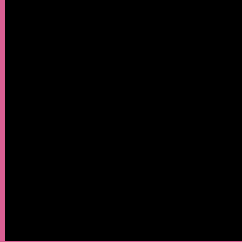
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.9739, 25.0427, 30.4360**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.9739, 25.0427, 30.4360.



This preview shows how white text looks on a background with the XYZ color 37.9739, 25.0427,

30.4360.

# 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

37.9739, 25.0427, 30.4360

### Protanopia

25.3462, 25.2535, 43.5829

### Deuteranopia

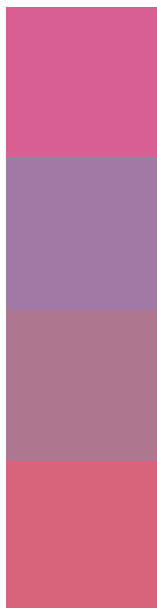
25.5897, 25.0877, 28.6930



## Tritanopia

35.3963, 25.1224, 17.7354

# Trichromacy



## Original Color

37.9739, 25.0427, 30.4360

## Protanomaly

28.0354, 23.8287, 38.2437

## Deuteranomaly

29.0103, 24.1755, 29.1239

## Tritanomaly

36.1567, 24.9915, 21.6571

# Monochromacy



## Original Color

37.9739, 25.0427, 30.4360

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

27.4931, 23.9491, 28.3729

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.9739, 25.0427, 30.4360 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(217, 95, 147)` looks like.

```
.text, #text, p{  
    color:rgb(217, 95, 147)  
}
```

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(217, 95, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 95, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 37.9739, 25.0427, 30.4360 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(217, 95, 147) }
```



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

```
.border{ border-color:rgb(217, 95, 147) }
```

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

Here you see how a box with a 4 pixel rgb(217, 95, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 95, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 95, 147);  
box-shadow:4px 4px 4px 4px rgb(217, 95,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.9739, 25.0427, 30.4360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 95, 147) }
```

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

```
.background{ background-color: rgb(217, 95,  
147) }
```

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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