

# Converting Colors

XYZ(37.3877, 24.5991, 36.4247)

Have a look what the booklet for  
XYZ(37.3877, 24.5991, 36.4247)  
contains.

<b>XYZ(37.3892, 24.6065, 36.4971)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(37.3892, 24.6065,  
36.4971)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D35FA1
RGB	211, 95, 161
RGB Percent	83%, 37%, 63%
CMY	0.1725, 0.6274, 0.3686
CMYK	0.00, 0.55, 0.24, 0.17
HSL	326°, 57%, 60%
HSV	326°, 55%, 83%
XYZ	37.3892, 24.6065, 36.4971
YIQ	137.2080, 47.9500, 45.1180

# Conversions

## Conversions Part 2

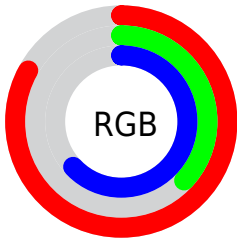
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	211, 95, 161
Decimal	13852577
CIE Lab	56.69, 53.04, -13.60
CIE LCh	57, 54.756, 345.616
Yxy	24.6065, 0.3796, 0.2498
Android (android.graphics.Color)	4292042657 (0xFFD35FA1)
YUV	137.2080, 11.7295, 64.7156
Hunter-Lab	49.6049, 47.7338, -8.8995

# Details

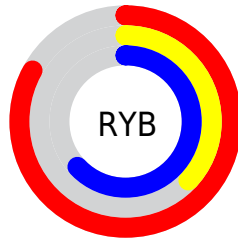
The XYZ color **37.3892, 24.6065, 36.4971** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **33.1256, 51.0665, 34.9015**, and the grayscale version is **23.8017, 25.0412, 27.2699**.

A 20% lighter version of the original color is **64.5410, 48.0306, 70.8349**, and **16.6227, 9.3275, 15.3923** is the 20% darker color. If you saturate the color by 10%, you get **34.9664, 20.9979, 31.8752**, and if you desaturate by 10%, it is **40.3865, 29.2702, 41.5989**.

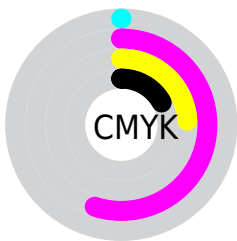
# Distribution



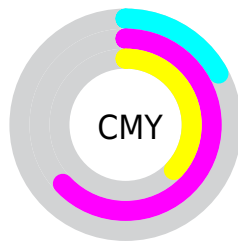
- Red (83%)
- Green (37%)
- Blue (63%)



- Red (83%)
- Yellow (37%)
- Blue (63%)



- Cyan (0%)
- Magenta (55%)
- Yellow (24%)
- Black (17%)




- Cyan (17%)
- Magenta (63%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3892, 24.6065, 36.4971 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 37.3892, 24.6065, 36.4971 by changing the saturation by 10% instead.




 37.3892, 24.6065,  
36.4971


 37.3892, 24.6065,  
36.4971


326.3188,  
275.8726, 346.2310


 25.6840, 15.7841,  
24.5256


 70.4809, 51.0181,  
70.9763

 16.7188, 9.3715,  
15.5082


 92.5982, 69.3762,  
94.3211

 10.1283, 4.9843,  
9.0263


 118.9169, 91.6816,  
122.2941

 5.5470, 2.2381,  
4.6613

 149.8023,  
118.3187, 155.3139

 2.6097, 0.7406,  
1.9947

185.6199,  
149.6720, 193.7989

 0.9509, 0.0000,  
0.5520

226.7349,

 0.0000, 0.0000,

186.1258, 238.1677

0.0000

273.5128,  
228.0645, 288.8389

■ 37.3892, 24.6065,  
36.4971

■ 37.3892, 24.6065,  
36.4971

■ 34.9664, 20.9979,  
31.8752

■ 40.3865, 29.2702,  
41.5989

■ 33.0719, 18.3549,  
27.7110

■ 43.9951, 35.0614,  
47.1980

■ 31.6559, 16.5795,  
23.9818

■ 48.2513, 42.0505,  
53.3124

■ 30.6567, 15.5503,  
20.6605

■ 53.1876, 50.3010,  
59.9587

■ 30.2572, 15.2062,  
19.1248

■ 58.8345, 59.8719,  
67.1523

■ 65.2204, 70.8185,  
74.9080

■ 72.3722, 83.1927,  
83.2400

■ 77.4413, 91.2958,  
91.2036

■ 78.7803, 91.8314,  
98.2548

# Harmonies

## Analogous

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



33.2908, 24.6065, 59.6262



37.3892, 24.6065, 36.4971



37.2960, 24.6065, 18.4075

# Triad

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



37.3892, 24.6065, 36.4971



20.2399, 24.6065, 5.2066



15.8168, 24.6065, 60.5409

# Complementary

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



37.3892, 24.6065, 36.4971



33.1256, 51.0665, 34.9015

# 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.



13.4547, 24.6065, 37.4006



37.3892, 24.6065, 36.4971



15.6736, 24.6065, 8.9711

# Square

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



37.3892, 24.6065, 36.4971



26.5680, 24.6065, 5.1413



13.4075, 24.6065, 18.9812



20.4720, 24.6065, 77.2347



# Rectangle

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



37.3892, 24.6065, 36.4971



34.8390, 24.6065, 11.1039



13.4075, 24.6065, 18.9812



14.7688, 24.6065, 52.8869

# Sweetspot

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



37.3899, 24.6077, 36.4976



80.6837, 75.5930, 90.7759



27.2369, 18.7585, 63.8135



16.9190, 15.5915, 18.9651



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.



37.3899, 24.6077, 36.4976



53.1144, 31.4241, 47.7681



33.4899, 23.0477, 15.9600



12.0865, 11.9193, 13.7312



18.3124, 9.1978, 11.8171



1.0633, 0.5300, 0.8681



# Inverse Universe

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



37.3899, 24.6077, 36.4976



53.1144, 31.4241, 47.7681



38.5963, 53.2548, 63.7097



12.0865, 11.9193, 13.7312



18.3124, 9.1978, 11.8171



1.0633, 0.5300, 0.8681



# Previews

## White Background



This preview shows how the XYZ color 37.3892, 24.6065, 36.4971 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

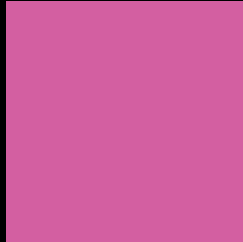
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.3892, 24.6065, 36.4971 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

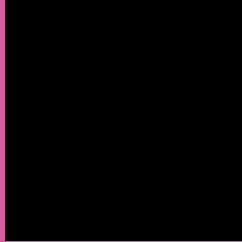
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.3892, 24.6065, 36.4971**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.3892, 24.6065, 36.4971.



This preview shows how white text looks on a background with the XYZ color 37.3892, 24.6065,



# 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

37.3892, 24.6065, 36.4971

### Protanopia

25.5950, 24.9951, 51.6197

### Deuteranopia

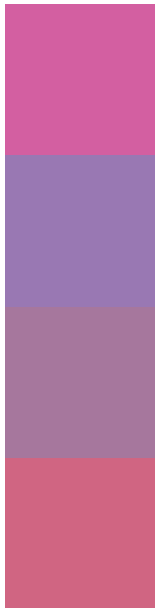
25.2884, 24.8043, 34.4652



## Tritanopia

33.7643, 24.5608, 18.5839

# Trichromacy



## Original Color

37.3892, 24.6065, 36.4971

## Protanomaly

27.9900, 23.4599, 45.7008

## Deuteranomaly

28.4085, 23.7350, 34.9823

## Tritanomaly

34.6954, 24.3290, 23.9864

# Monochromacy



## Original Color

37.3892, 24.6065, 36.4971

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

27.4577, 23.8869, 30.3576

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.3892, 24.6065, 36.4971 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(211, 95, 161)` looks like.

```
.text, #text, p{  
    color:rgb(211, 95, 161)  
}
```

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(211, 95, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 95, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 37.3892, 24.6065, 36.4971 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(211, 95, 161) }
```



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

```
.border{ border-color:rgb(211, 95, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 95, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 95, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 95, 161);  
box-shadow:4px 4px 4px 4px rgb(211, 95,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.3892, 24.6065, 36.4971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 95, 161) }
```

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

```
.background{ background-color: rgb(211, 95,  
161) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor