

# Converting Colors

XYZ(40.2241, 25.5443, 36.3992)

Have a look what the booklet for  
XYZ(40.2241, 25.5443, 36.3992)  
contains.

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# Color

**XYZ(40.2983, 25.5850,  
36.5327)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE5BA1
RGB	222, 91, 161
RGB Percent	87%, 36%, 63%
CMY	0.1294, 0.6431, 0.3686
CMYK	0.00, 0.59, 0.27, 0.13
HSL	328°, 66%, 61%
HSV	328°, 59%, 87%
XYZ	40.2983, 25.5850, 36.5327
YIQ	138.1490, 55.6060, 49.5420

# Conversions

## Conversions Part 2

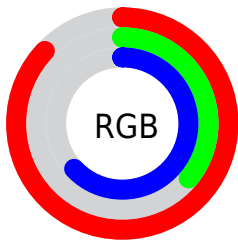
Format	Color
R <sub>Y</sub> B	222, 91, 161
Decimal	14572449
CIE Lab	57.64, 58.21, -12.01
CIE LCh	58, 59.431, 348.343
Yxy	25.5850, 0.3935, 0.2498
Android (android.graphics.Color)	4292762529 (0xFFDE5BA1)
YUV	138.1490, 11.2655, 73.5373
Hunter-Lab	50.5816, 53.6929, -7.4152

# Details

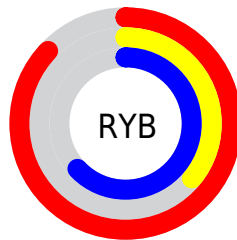
The XYZ color **40.2983, 25.5850, 36.5327** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **36.1045, 56.7344, 38.7567**, and the grayscale version is **24.1589, 25.4170, 27.6791**.

A 20% lighter version of the original color is **64.0684, 47.0853, 70.6773**, and **18.3288, 9.8192, 15.3973** is the 20% darker color. If you saturate the color by 10%, you get **37.7991, 21.9856, 31.3862**, and if you desaturate by 10%, it is **43.4356, 30.3394, 42.2643**.

# Distribution



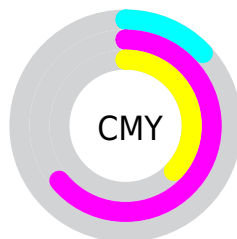
- Red (87%)
- Green (36%)
- Blue (63%)



- Red (87%)
- Yellow (36%)
- Blue (63%)



- Cyan (0%)
- Magenta (59%)
- Yellow (27%)
- Black (13%)




- Cyan (13%)
- Magenta (64%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2983, 25.5850, 36.5327 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 40.2983, 25.5850, 36.5327 by changing the saturation by 10% instead.





 40.2983, 25.5850,  
36.5327


 40.2983, 25.5850,  
36.5327


338.4922,  
280.7389, 346.3905


 27.9564, 16.5134,  
24.5529


 74.8990, 52.6047,  
71.0318


 18.4331, 9.8882,  
15.5283


 97.8885, 71.3216,  
94.3881

 11.3630, 5.3249,  
9.0403


 125.1580, 94.0224,  
122.3738

 6.3806, 2.4391,  
4.6703

 157.0728,  
121.0915, 155.4073

 3.1207, 0.8459,  
1.9998

193.9983,  
152.9133, 193.9072

 1.2179, 0.0000,  
0.5552

236.2998,

 0.1204, 0.0000,

189.8722, 238.2920

0.0000

284.3426,  
232.3526, 288.9803

■ 0.0000, 0.0000,  
0.0000

■ 40.2983, 25.5850,  
36.5327

■ 40.2983, 25.5850,  
36.5327

■ 37.7991, 21.9856,  
31.3862

■ 43.4356, 30.3394,  
42.2643

■ 35.8828, 19.4345,  
26.7967

■ 47.2553, 36.3355,  
48.6037

■ 34.4877, 17.8112,  
22.7347

■ 51.8003, 43.6561,  
55.5738

■ 33.5171, 16.9251,  
19.1582

■ 57.1091, 52.3754,  
63.1955

■ 33.4313, 16.8524,  
18.8245

■ 63.2175, 62.5626,  
71.4887

70.1588, 74.2818,  
80.4719

77.9645, 87.5935,  
90.1633

82.1685, 93.5633,  
99.0812

83.7803, 94.2081,  
107.5693

# Harmonies

## Analogous

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



36.0173, 25.5850, 62.7872



40.2983, 25.5850, 36.5327



39.7236, 25.5850, 17.2711

# Triad

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



40.2983, 25.5850, 36.5327



20.2674, 25.5850, 4.7805



16.3219, 25.5850, 68.4982

# Complementary

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



40.2983, 25.5850, 36.5327



36.1045, 56.7344, 38.7567

# 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.



13.5202, 25.5850, 42.0715



40.2983, 25.5850, 36.5327



15.4735, 25.5850, 9.1071

# Square

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



40.2983, 25.5850, 36.5327



27.1833, 25.5850, 4.4250



13.2434, 25.5850, 20.6778



21.6610, 25.5850, 86.4172



# Rectangle

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



40.2983, 25.5850, 36.5327



36.6810, 25.5850, 9.9544



13.2434, 25.5850, 20.6778



15.1009, 25.5850, 59.8554

# Sweetspot

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



40.2991, 25.5863, 36.5332



78.8626, 72.8290, 87.4612



29.4958, 19.2371, 71.2659



16.3939, 14.7846, 18.0403



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.



40.2991, 25.5863, 36.5332



51.0066, 29.0794, 41.2980



36.0497, 23.8866, 14.1565



14.0118, 13.8224, 15.8326



19.9143, 10.0327, 11.4802



1.4255, 0.7135, 1.0333



# Inverse Universe

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



40.2991, 25.5863, 36.5332



51.0066, 29.0794, 41.2980



42.7602, 59.3967, 73.8049



14.0118, 13.8224, 15.8326



19.9143, 10.0327, 11.4802



1.4255, 0.7135, 1.0333



# Previews

## White Background



This preview shows how the XYZ color 40.2983, 25.5850, 36.5327 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

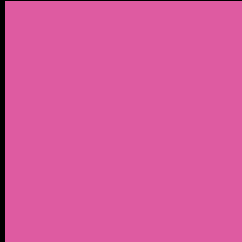
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.2983, 25.5850, 36.5327 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

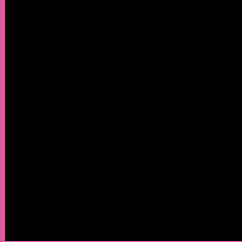
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 40.2983, 25.5850, 36.5327**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2983, 25.5850, 36.5327.



This preview shows how white text looks on a background with the XYZ color 40.2983, 25.5850,



# 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

40.2983, 25.5850, 36.5327

### Protanopia

26.5973, 25.8792, 54.0454

### Deuteranopia

26.1738, 25.6808, 34.1492



## Tritanopia

36.5782, 25.7317, 17.7907

# Trichromacy



## Original Color

40.2983, 25.5850, 36.5327



## Protanomaly

29.1575, 24.0382, 46.8191



## Deuteranomaly

29.9162, 24.5122, 35.0529



## Tritanomaly

37.6377, 25.5687, 23.7204

# Monochromacy



## Original Color

40.2983, 25.5850, 36.5327



## Achromatopsia

24.1572, 25.4152, 27.6772



## Achromatomaly

28.3879, 24.1851, 30.3661

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2983, 25.5850, 36.5327 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(222, 91, 161)` looks like.

```
.text, #text, p{  
    color:rgb(222, 91, 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(222, 91, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 91, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2983, 25.5850, 36.5327 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(222, 91, 161) }
```



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

```
.border{ border-color:rgb(222, 91, 161) }
```

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

Here you see how a box with a 4 pixel rgb(222, 91, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 91, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 91, 161);  
box-shadow:4px 4px 4px 4px rgb(222, 91,  
161) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2983, 25.5850, 36.5327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 91, 161) }
```

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

```
.background{ background-color: rgb(222, 91,  
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](#).

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