

# Converting Colors

XYZ(39.7313, 28.1943, 25.0071)

Have a look what the booklet for  
XYZ(39.7313, 28.1943, 25.0071)  
contains.

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# Color

**XYZ(39.7577, 28.1328,  
25.1645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE6D84
RGB	222, 109, 132
RGB Percent	87%, 43%, 52%
CMY	0.1294, 0.5725, 0.4824
CMYK	0.00, 0.51, 0.41, 0.13
HSL	348°, 63%, 65%
HSV	348°, 51%, 87%
XYZ	39.7577, 28.1328, 25.1645
YIQ	145.4090, 59.9650, 31.1090

# Conversions

## Conversions Part 2

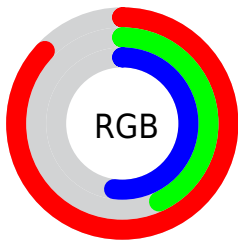
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	222, 109, 132
Decimal	14577028
CIE Lab	60.01, 46.31, 8.31
CIE LCh	60, 47.053, 10.176
Yxy	28.1328, 0.4272, 0.3023
Android (android.graphics.Color)	4292767108 (0xFFDE6D84)
YUV	145.4090, -6.6106, 67.1703
Hunter-Lab	53.0404, 40.9784, 8.9987

# Details

The XYZ color **39.7577, 28.1328, 25.1645** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **42.7382, 59.6180, 63.2913**, and the grayscale version is **27.0899, 28.5007, 31.0372**.

A 20% lighter version of the original color is **63.0941, 50.9572, 52.4092**, and **18.0798, 11.2394, 9.4001** is the 20% darker color. If you saturate the color by 10%, you get **36.5722, 23.5369, 18.6303**, and if you desaturate by 10%, it is **43.7478, 34.0096, 32.9793**.

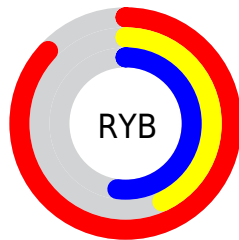
# Distribution



Red (87%)

Green (43%)

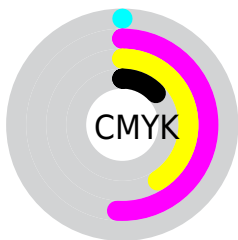
Blue (52%)



Red (87%)

Yellow (43%)

Blue (52%)

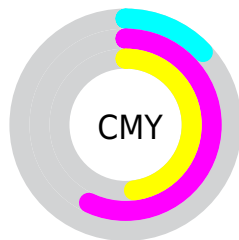


Cyan (0%)

Magenta (51%)

Yellow (41%)

Black (13%)



Cyan (13%)

Magenta (57%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7577, 28.1328, 25.1645 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 39.7577, 28.1328, 25.1645 by changing the saturation by 10% instead.





 39.7577, 28.1328,  
25.1645


 39.7577, 28.1328,  
25.1645


336.2532,  
293.1009, 292.1300

 27.5330, 18.4258,  
15.9795


 74.0811, 56.6964,  
52.8914


 18.1126, 11.2561,  
9.3555


 96.9105, 76.3218,  
72.2704

 11.1310, 6.2394,  
4.8738


 124.0056,  
100.0221, 95.8845

 6.2230, 2.9912,  
2.1160

 155.7317,  
128.1816, 124.1522

 3.0231, 1.1271,  
0.6252

192.4542,  
161.1849, 157.4920

 1.1660, 0.0009,  
0.0000

234.5383,

 0.0793, 0.0000,

199.4163, 196.3226

0.0000

282.3496,  
243.2602, 241.0624

■ 0.0000, 0.0000,  
0.0000

■ 39.7577, 28.1328,  
25.1645

■ 39.7577, 28.1328,  
25.1645

■ 36.5722, 23.5369,  
18.6303

■ 43.7478, 34.0096,  
32.9793

■ 34.1327, 20.1215,  
13.3054

■ 48.5910, 41.2490,  
42.1374

■ 32.3763, 17.7784,  
9.1135

■ 54.3345, 49.9310,  
52.6992

■ 31.2276, 16.3771,  
5.9685

■ 61.0214, 60.1283,  
64.7211

■ 30.6013, 15.7204,  
3.9220

■ 68.6921, 71.9086,  
78.2561

■ 77.3844, 85.3355,  
93.3546

■ 83.9342, 94.2696,  
108.3798

# Harmonies

## Analogous

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



39.1079, 28.1328, 43.2395



39.7577, 28.1328, 25.1645



36.5435, 28.1328, 13.8954

# Triad

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



39.7577, 28.1328, 25.1645



19.9742, 28.1328, 11.7050



23.0194, 28.1328, 73.3367

# Complementary

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



39.7577, 28.1328, 25.1645



42.7382, 59.6180, 63.2913

# 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.



18.8672, 28.1328, 57.2297



39.7577, 28.1328, 25.1645



17.2995, 28.1328, 20.7493

# Square

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



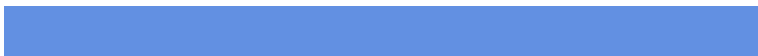
39.7577, 28.1328, 25.1645



24.7552, 28.1328, 8.2808



16.9271, 28.1328, 36.8387



28.8269, 28.1328, 75.9374



# Rectangle

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



39.7577, 28.1328, 25.1645



32.8882, 28.1328, 9.9974



16.9271, 28.1328, 36.8387



21.4091, 28.1328, 69.0996

# Sweetspot

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



39.7584, 28.1342, 25.1650



79.5155, 76.1678, 81.4121



41.8160, 28.1530, 72.3373



16.6051, 15.6711, 16.6799



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.



39.7584, 28.1342, 25.1650



49.8484, 31.9107, 25.0419



42.4129, 35.6899, 19.1233



13.8207, 13.7459, 14.8262



18.2087, 9.3505, 2.4987



1.2943, 0.6610, 0.3425



# Inverse Universe

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



39.7584, 28.1342, 25.1650



49.8484, 31.9107, 25.0419



37.9025, 45.3460, 75.8622



13.8207, 13.7459, 14.8262



18.2087, 9.3505, 2.4987



1.2943, 0.6610, 0.3425



# Previews

## White Background



This preview shows how the XYZ color 39.7577, 28.1328, 25.1645 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

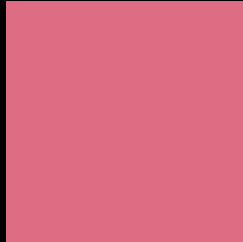
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.7577, 28.1328, 25.1645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

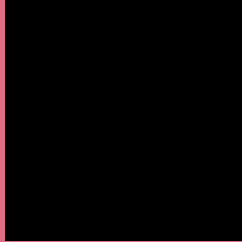
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.7577, 28.1328, 25.1645**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7577, 28.1328, 25.1645.



This preview shows how white text looks on a background with the XYZ color 39.7577, 28.1328,



# 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

39.7577, 28.1328, 25.1645

### Protanopia

27.4948, 28.3245, 33.7238

### Deuteranopia

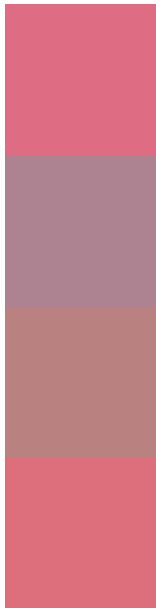
28.9347, 28.3955, 24.0345



## Tritanopia

38.8330, 28.0729, 20.8247

# Trichromacy



## Original Color

39.7577, 28.1328, 25.1645

## Protanomaly

30.6827, 27.2756, 30.4356

## Deuteranomaly

32.0624, 27.7246, 24.4304

## Tritanomaly

39.0328, 27.9792, 22.4121

# Monochromacy



## Original Color

39.7577, 28.1328, 25.1645

## Achromatopsia

26.9133, 28.3149, 30.8349

## Achromatomaly

30.2185, 27.2802, 28.4839

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7577, 28.1328, 25.1645 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, 109, 132)` looks like.

```
.text, #text, p{  
    color:rgb(222, 109, 132)  
}
```

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, 109, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 109, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7577, 28.1328, 25.1645 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, 109, 132) }
```



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

```
.border{ border-color:rgb(222, 109, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 109, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 109, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 109, 132);  
box-shadow:4px 4px 4px 4px rgb(222, 109,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7577, 28.1328, 25.1645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 109, 132) }
```

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

```
.background{ background-color: rgb(222,  
109, 132) }
```

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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