

# Converting Colors

XYZ(40.4098, 30.1367, 27.2328)

Have a look what the booklet for  
XYZ(40.4098, 30.1367, 27.2328)  
contains.

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# Color

**XYZ(40.3256, 30.0599,  
27.3437)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB7789
RGB	219, 119, 137
RGB Percent	86%, 47%, 54%
CMY	0.1412, 0.5333, 0.4627
CMYK	0.00, 0.46, 0.37, 0.14
HSL	349°, 58%, 66%
HSV	349°, 46%, 86%
XYZ	40.3256, 30.0599, 27.3437
YIQ	150.9520, 53.8220, 26.7980

# Conversions

## Conversions Part 2

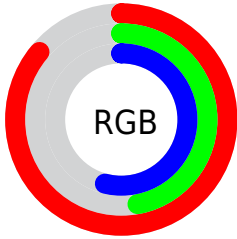
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 119, 137
Decimal	14382985
CIE <sub>Lab</sub>	61.71, 40.77, 7.79
CIE <sub>LCh</sub>	62, 41.508, 10.823
Yxy	30.0599, 0.4126, 0.3076
Android (android.graphics.Color)	4292573065 (0xFFDB7789)
YUV	150.9520, -6.8783, 59.6781
Hunter-Lab	54.8269, 35.3410, 8.8093

# Details

The XYZ color **40.3256, 30.0599, 27.3437** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **43.4834, 58.8027, 64.3199**, and the grayscale version is **29.4081, 30.9396, 33.6933**.

A 20% lighter version of the original color is **65.4778, 54.8648, 55.8541**, and **18.4254, 12.2795, 10.4159** is the 20% darker color. If you saturate the color by 10%, you get **36.8302, 24.9620, 20.3430**, and if you desaturate by 10%, it is **44.6375, 36.4474, 35.6751**.

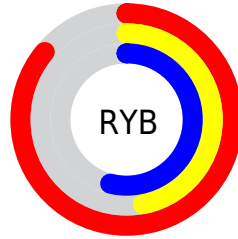
# Distribution



Red (86%)

Green (47%)

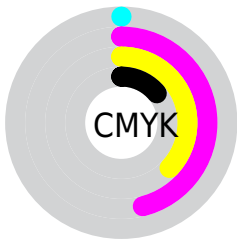
Blue (54%)



Red (86%)

Yellow (47%)

Blue (54%)

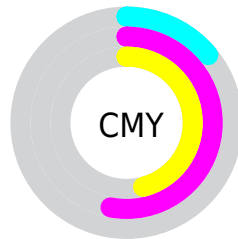


Cyan (0%)

Magenta (46%)

Yellow (37%)

Black (14%)



Cyan (14%)

Magenta (53%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3256, 30.0599, 27.3437 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 40.3256, 30.0599, 27.3437 by changing the saturation by 10% instead.





 40.3256, 30.0599,  
27.3437


 40.3256, 30.0599,  
27.3437

338.6050,  
302.1836, 303.1301


 27.9778, 19.8841,  
17.5968


 74.9403, 59.7569,  
56.4453

 18.4493, 12.3108,  
10.4945


 97.9379, 80.0468,  
76.6371

 11.3747, 6.9557,  
5.6181


 125.2162,  
104.4769, 101.1477

 6.3886, 3.4344,  
2.5493

157.1405,  
133.4316, 130.3955

 3.1257, 1.3625,  
0.8661

194.0761,  
167.2952, 164.7991

 1.2206, 0.1889,  
0.0000

236.3885,

 0.1225, 0.0000,

206.4521, 204.7770

0.0000

284.4430,  
251.2868, 250.7478

■ 0.0000, 0.0000,  
0.0000

■ 40.3256, 30.0599,  
27.3437

■ 40.3256, 30.0599,  
27.3437

■ 36.8302, 24.9620,  
20.3430

■ 44.6375, 36.4474,  
35.6751

■ 34.0965, 21.0615,  
14.6015

■ 49.8112, 44.1997,  
45.4001

■ 32.0666, 18.2607,  
10.0433


■ 55.8915, 53.3915,  
56.5795


■ 30.6730, 16.4450,  
6.5837


■ 62.9194, 64.0906,  
69.2702

■ 29.8338, 15.4733,  
4.1254

■ 70.9332, 76.3607,  
83.5258

 29.5864, 15.2093,  
3.3316

 79.9694, 90.2617,  
99.3973

 83.0234, 93.8001,  
108.3372

# Harmonies

## Analogous

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



39.8238, 30.0599, 43.7744



40.3256, 30.0599, 27.3437



37.3864, 30.0599, 16.5991

# Triad

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



40.3256, 30.0599, 27.3437



22.1745, 30.0599, 14.6850



25.2219, 30.0599, 70.6907

# Complementary

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



40.3256, 30.0599, 27.3437



43.4834, 58.8027, 64.3199

# 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.



21.2632, 30.0599, 56.9166



40.3256, 30.0599, 27.3437



19.6669, 30.0599, 23.7198

# Square

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



40.3256, 30.0599, 27.3437



26.6225, 30.0599, 11.0207



19.3563, 30.0599, 38.7812



30.6124, 30.0599, 72.6245



# Rectangle

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



40.3256, 30.0599, 27.3437



34.0685, 30.0599, 12.7062



19.3563, 30.0599, 38.7812



23.6992, 30.0599, 67.1237

# Sweetspot

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



40.3264, 30.0614, 27.3443



80.3395, 77.5556, 82.4888



43.3819, 30.6812, 70.6533



16.7626, 15.9424, 16.8673



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.



40.3264, 30.0614, 27.3443



52.0751, 35.3576, 28.8867



43.5573, 38.4196, 22.5748



13.1512, 13.0896, 14.0577



17.5722, 9.0299, 2.1273



1.1675, 0.5966, 0.2908



# Inverse Universe

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



40.3264, 30.0614, 27.3443



52.0751, 35.3576, 28.8867



38.2363, 44.7199, 73.6343



13.1512, 13.0896, 14.0577



17.5722, 9.0299, 2.1273



1.1675, 0.5966, 0.2908



# Previews

## White Background



This preview shows how the XYZ color 40.3256, 30.0599, 27.3437 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

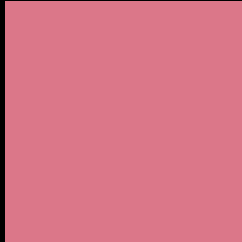
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.3256, 30.0599, 27.3437 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 ✓ Pass

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

**XYZ 40.3256, 30.0599, 27.3437**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3256, 30.0599, 27.3437.



This preview shows how white text looks on a background with the XYZ color 40.3256, 30.0599,



# 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

40.3256, 30.0599, 27.3437

### Protanopia

29.2597, 30.3741, 34.4576

### Deuteranopia

30.7845, 30.1860, 26.3943



## Tritanopia

39.5924, 29.9233, 24.4579

# Trichromacy



## Original Color

40.3256, 30.0599, 27.3437

## Protanomaly

32.2594, 29.5136, 31.6002

## Deuteranomaly

33.7061, 29.7405, 26.5183

## Tritanomaly

39.7948, 30.0043, 25.5238

# Monochromacy



## Original Color

40.3256, 30.0599, 27.3437

## Achromatopsia

29.4150, 30.9469, 33.7012

## Achromatomaly

32.3254, 29.7707, 31.2367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3256, 30.0599, 27.3437 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(219, 119, 137)` looks like.

```
.text, #text, p{  
    color:rgb(219, 119, 137)  
}
```

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(219, 119, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 119, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3256, 30.0599, 27.3437 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(219, 119, 137) }
```



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

```
.border{ border-color:rgb(219, 119, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 119, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 119, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 119, 137);  
box-shadow:4px 4px 4px 4px rgb(219, 119,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3256, 30.0599, 27.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 119, 137) }
```

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

```
.background{ background-color: rgb(219,  
119, 137) }
```

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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