

# Converting Colors

XYZ(40.6241, 28.9819, 33.2363)

Have a look what the booklet for  
XYZ(40.6241, 28.9819, 33.2363)  
contains.

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# Color

**XYZ(40.7860, 29.1373,  
33.1802)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB7198
RGB	219, 113, 152
RGB Percent	86%, 44%, 60%
CMY	0.1412, 0.5568, 0.4039
CMYK	0.00, 0.48, 0.31, 0.14
HSL	338°, 60%, 65%
HSV	338°, 48%, 86%
XYZ	40.7860, 29.1373, 33.1802
YIQ	149.1400, 50.6570, 34.6010

# Conversions

## Conversions Part 2

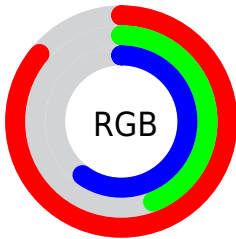
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">219, 113, 152</a>
Decimal	<a href="#">14381464</a>
CIELab	<a href="#">60.90, 45.66, -2.00</a>
CIELCh	<a href="#">61, 45.700, 357.496</a>
Yxy	<a href="#">29.1373, 0.3956, 0.2826</a>
Android (android.graphics.Color)	<a href="#">4292571544</a> (0xFFDB7198)
YUV	<a href="#">149.1400, 1.4100, 61.2672</a>
Hunter-Lab	<a href="#">53.9790, 40.4097, 1.3405</a>

# Details

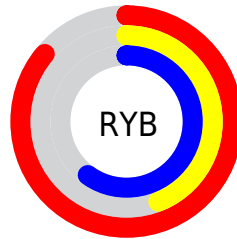
The XYZ color **40.7860, 29.1373, 33.1802** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.3812, 57.4697, 52.1474**, and the grayscale version is **28.6061, 30.0959, 32.7744**.

A 20% lighter version of the original color is **66.1993, 53.3537, 65.2017**, and **18.6628, 11.7484, 13.5959** is the 20% darker color. If you saturate the color by 10%, you get **37.5625, 24.4000, 26.8346**, and if you desaturate by 10%, it is **44.7329, 35.1093, 40.4205**.

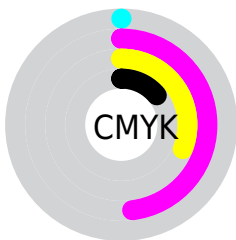
# Distribution



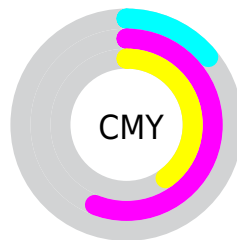
- Red (86%)
- Green (44%)
- Blue (60%)



- Red (86%)
- Yellow (44%)
- Blue (60%)



- Cyan (0%)
- Magenta (48%)
- Yellow (31%)
- Black (14%)



- Cyan (14%)
- Magenta (56%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.7860, 29.1373, 33.1802 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 40.7860, 29.1373, 33.1802 by changing the saturation by 10% instead.



40.7860, 29.1373,  
33.1802

40.7860, 29.1373,  
33.1802

340.5033,  
297.8622, 331.1178

28.3388, 19.1847,  
21.9923

75.6357, 58.2952,  
65.7760

18.7230, 11.8038,  
13.6530

98.7689, 78.2692,  
88.0210

11.5731, 6.6102,  
7.7437

126.1949,  
102.3526, 114.7887

6.5238, 3.2196,  
3.8460

158.2790,  
130.9296, 146.4978

3.2098, 1.2474,  
1.5412

195.3865,  
164.3846, 183.5667

1.2657, 0.0999,  
0.2484

237.8828,

0.1573, 0.0000,

203.1022, 226.4139

0.0000

286.1333,  
247.4666, 275.4581

■ 0.0000, 0.0000,  
0.0000

■ 40.7860, 29.1373,  
33.1802

■ 40.7860, 29.1373,  
33.1802

■ 37.5625, 24.4000,  
26.8346

■ 44.7329, 35.1093,  
40.4205

■ 35.0123, 20.8049,  
21.3437

■ 49.4440, 42.3911,  
48.5894

■ 33.0825, 18.2538,  
16.6665


■ 54.9596, 51.0566,  
57.7209


■ 31.7102, 16.6290,  
12.7570


■ 61.3166, 61.1733,  
67.8469


■ 30.8045, 15.7574,  
9.5581

■ 68.5494, 72.8040,  
78.9975

 30.6825, 15.6477,  
9.1033

 76.6905, 86.0078,  
91.2015

 82.0571, 93.4135,  
103.2486

 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.



38.5209, 29.1373, 52.8193



40.7860, 29.1373, 33.1802



39.1477, 29.1373, 18.8623

# Triad

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



40.7860, 29.1373, 33.1802



22.7352, 29.1373, 10.6167



21.9839, 29.1373, 68.2122

# Complementary

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



40.7860, 29.1373, 33.1802



40.3812, 57.4697, 52.1474

# 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.



18.7256, 29.1373, 49.4090



40.7860, 29.1373, 33.1802



19.1137, 29.1373, 17.1613

# Square

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



40.7860, 29.1373, 33.1802



28.1975, 29.1373, 8.9423



17.7546, 29.1373, 30.3141



27.1968, 29.1373, 77.0787



# Rectangle

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



40.7860, 29.1373, 33.1802



36.1763, 29.1373, 13.1659



17.7546, 29.1373, 30.3141



20.6537, 29.1373, 62.5758

# Sweetspot

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



40.7868, 29.1388, 33.1808



80.3871, 76.5164, 86.0018



37.1369, 26.4348, 70.1630



16.8132, 15.7543, 17.7755



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.



40.7868, 29.1388, 33.1808



52.9864, 34.3876, 37.8000



39.5752, 31.0141, 19.5251



13.2531, 13.1303, 14.5940



18.2417, 9.2977, 5.6528



1.2225, 0.6186, 0.5806



# Inverse Universe

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



40.7868, 29.1388, 33.1808



52.9864, 34.3876, 37.8000



41.8213, 53.0741, 75.0580



13.2531, 13.1303, 14.5940



18.2417, 9.2977, 5.6528



1.2225, 0.6186, 0.5806



# Previews

## White Background



This preview shows how the XYZ color 40.7860, 29.1373, 33.1802 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

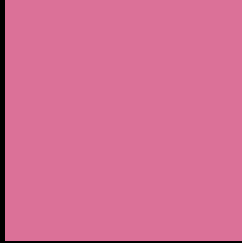
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.7860, 29.1373, 33.1802 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 40.7860, 29.1373, 33.1802**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.7860, 29.1373, 33.1802.



This preview shows how white text looks on a background with the XYZ color 40.7860, 29.1373,



# 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

40.7860, 29.1373, 33.1802

### Protanopia

28.9770, 29.3257, 43.6683

### Deuteranopia

29.9892, 29.4329, 31.7043



## Tritanopia

38.8596, 29.2149, 23.3296

# Trichromacy



## Original Color

40.7860, 29.1373, 33.1802

## Protanomaly

31.8942, 28.3129, 39.3812

## Deuteranomaly

33.2045, 28.7397, 32.2310

## Tritanomaly

39.5320, 29.1455, 26.4637

# Monochromacy



## Original Color

40.7860, 29.1373, 33.1802

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

31.7647, 28.8090, 32.7407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.7860, 29.1373, 33.1802 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, 113, 152)` looks like.

```
.text, #text, p{  
    color:rgb(219, 113, 152)  
}
```

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, 113, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 113, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 40.7860, 29.1373, 33.1802 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, 113, 152) }
```



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

```
.border{ border-color:rgb(219, 113, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 113, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 113, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 113, 152);  
box-shadow:4px 4px 4px 4px rgb(219, 113,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.7860, 29.1373, 33.1802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 113, 152) }
```

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

```
.background{ background-color: rgb(219,  
113, 152) }
```

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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