

Converting Colors

XYZ(38.3300, 28.1233, 35.5575)

Have a look what the booklet for
XYZ(38.3300, 28.1233, 35.5575)
contains.

XYZ(38.3147, 28.1400, 35.7599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.3147, 28.1400,
35.7599)**

Conversions

Conversions Part 1

Format	Color
Hex	D0739E
RGB	208, 115, 158
RGB Percent	82%, 45%, 62%
CMY	0.1843, 0.5490, 0.3804
CMYK	0.00, 0.45, 0.24, 0.18
HSL	332°, 50%, 63%
HSV	332°, 45%, 82%
XYZ	38.3147, 28.1400, 35.7599
YIQ	147.7090, 41.6250, 33.0890

Conversions

Conversions Part 2

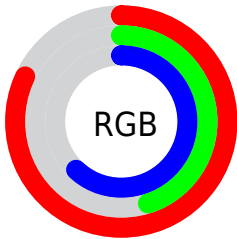
Format	Color
R_{YB}	208, 115, 158
Decimal	13661086
CIE _{Lab}	60.02, 41.71, -6.93
CIE _{LCh}	60, 42.277, 350.568
Yxy	28.1400, 0.3748, 0.2753
Android (android.graphics.Color)	4291851166 (0xFFD0739E)
YUV	147.7090, 5.0735, 52.8752
Hunter-Lab	53.0471, 36.0938, -2.8353

Details

The XYZ color **38.3147, 28.1400, 35.7599** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **36.4189, 51.4739, 43.6158**, and the grayscale version is **27.9954, 29.4533, 32.0747**.

A 20% lighter version of the original color is **67.4382, 54.4400, 69.9044**, and **17.1938, 11.1959, 15.1647** is the 20% darker color. If you saturate the color by 10%, you get **35.2857, 23.5528, 30.2151**, and if you desaturate by 10%, it is **41.9681, 33.8351, 41.9457**.

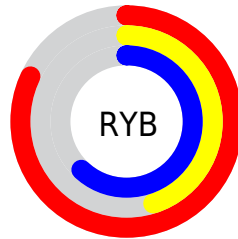
Distribution



Red (82%)

Green (45%)

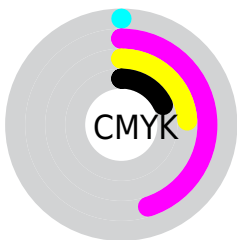
Blue (62%)



Red (82%)

Yellow (45%)

Blue (62%)

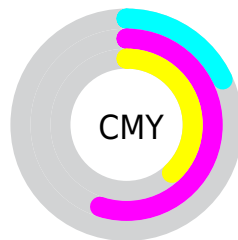


Cyan (0%)

Magenta (45%)

Yellow (24%)

Black (18%)



Cyan (18%)

Magenta (55%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3147, 28.1400, 35.7599 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 38.3147, 28.1400, 35.7599 by changing the saturation by 10% instead.


 38.3147, 28.1400,
35.7599


 38.3147, 28.1400,
35.7599


330.2256,
293.1353, 342.9155


 26.4053, 18.4312,
23.9606


 71.8910, 56.7079,
69.8262

 17.2614, 11.2600,
15.0925

 94.2887, 76.3358,
92.9302

 10.5175, 6.2420,
8.7370


 120.9132,
100.0388, 120.6396

 5.8083, 2.9928,
4.4755

152.1299,
128.2014, 153.3729

 2.7684, 1.1280,
1.8897

188.3041,
161.2080, 191.5486

 1.0325, 0.0017,
0.4862

229.8013,

 0.0000, 0.0000,

199.4429, 235.5852

0.0000

276.9866,
243.2905, 285.9013

■ 38.3147, 28.1400,
35.7599

■ 38.3147, 28.1400,
35.7599

■ 35.2857, 23.5528,
30.2151

■ 41.9681, 33.8351,
41.9457

■ 32.8398, 19.9957,
25.2851

■ 46.2786, 40.7010,
48.7935

■ 30.9344, 17.3870,
20.9441


■ 51.2797, 48.8007,
56.3254


■ 29.5195, 15.6308,
17.1630


■ 57.0015, 58.1914,
64.5617


■ 28.5347, 14.6104,
13.9083


■ 63.4726, 68.9269,
73.5220

 28.1315, 14.2575,
12.3759

 70.7199, 81.0577,
83.2247

 76.9542, 91.0026,
93.0830

 78.6333, 91.6743,
101.9250

 79.8225, 92.1499,
108.1874

Harmonies

Analogous

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



35.5664, 28.1400, 53.5948



38.3147, 28.1400, 35.7599



37.6576, 28.1400, 21.3585

Triad

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



38.3147, 28.1400, 35.7599



23.2712, 28.1400, 10.4190



20.6945, 28.1400, 59.7216

Complementary

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



38.3147, 28.1400, 35.7599



36.4189, 51.4739, 43.6158

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.



18.1768, 28.1400, 42.2820



38.3147, 28.1400, 35.7599



19.5200, 28.1400, 15.4018

Square

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



38.3147, 28.1400, 35.7599



28.4789, 28.1400, 9.7101



17.7778, 28.1400, 26.0331



25.0853, 28.1400, 70.1850

Rectangle

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



38.3147, 28.1400, 35.7599



35.4069, 28.1400, 15.1186



17.7778, 28.1400, 26.0331



19.6273, 28.1400, 54.2518

Sweetspot

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



38.3155, 28.1414, 35.7605



82.6333, 79.5477, 91.2550



32.9511, 24.7737, 62.7198



17.2786, 16.3601, 18.9328



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.



38.3155, 28.1414, 35.7605



55.9731, 37.3873, 47.9631



35.5982, 27.6296, 19.6782



12.0329, 11.8979, 13.4488



17.5808, 8.9052, 7.9646



1.0229, 0.5139, 0.6553

Inverse Universe

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



38.3155, 28.1414, 35.7605



55.9731, 37.3873, 47.9631



40.2637, 51.8144, 67.5538



12.0329, 11.8979, 13.4488



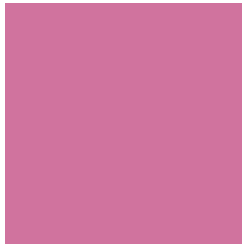
17.5808, 8.9052, 7.9646



1.0229, 0.5139, 0.6553

Previews

White Background



This preview shows how the XYZ color 38.3147, 28.1400, 35.7599 looks on a white background.

Color Contrast Check

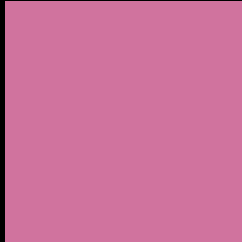
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.3147, 28.1400, 35.7599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

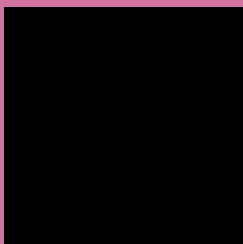
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.3147, 28.1400, 35.7599

Background



This preview shows how black text looks on a background with the XYZ color 38.3147, 28.1400, 35.7599.



This preview shows how white text looks on a background with the XYZ color 38.3147, 28.1400,

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

38.3147, 28.1400, 35.7599

Protanopia

28.3903, 28.5241, 45.6043

Deuteranopia

28.8752, 28.3514, 34.5223



Tritanopia

35.8558, 27.9971, 24.2830

Trichromacy



Original Color

38.3147, 28.1400, 35.7599

Protanomaly

30.7475, 27.4639, 41.7107

Deuteranomaly

31.6232, 27.8678, 34.7226

Tritanomaly

36.6657, 27.9721, 28.2776

Monochromacy



Original Color

38.3147, 28.1400, 35.7599

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

31.0492, 28.4214, 33.5552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3147, 28.1400, 35.7599 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(208, 115, 158)` looks like.

```
.text, #text, p{  
    color:rgb(208, 115, 158)  
}
```

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(208, 115, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 115, 158) }
```

Border

The CSS property to change the border of an element to XYZ 38.3147, 28.1400, 35.7599 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(208, 115, 158) }
```


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

```
.border{ border-color:rgb(208, 115, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 115, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 115, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 115, 158);  
box-shadow:4px 4px 4px 4px rgb(208, 115,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3147, 28.1400, 35.7599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 115, 158) }
```

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

```
.background{ background-color: rgb(208,  
115, 158) }
```

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