

Converting Colors

XYZ(38.8011, 27.1069, 27.9981)

Have a look what the booklet for
XYZ(38.8011, 27.1069, 27.9981)
contains.

XYZ(38.8011, 27.1069, 27.9981)	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(38.8011, 27.1069,
27.9981)**

Conversions

Conversions Part 1

Format	Color
Hex	DA6A8C
RGB	218, 106, 140
RGB Percent	85%, 42%, 55%
CMY	0.1451, 0.5843, 0.4510
CMYK	0.00, 0.51, 0.36, 0.15
HSL	342°, 60%, 64%
HSV	342°, 51%, 85%
XYZ	38.8011, 27.1069, 27.9981
YIQ	143.3640, 55.8380, 34.3180

Conversions

Conversions Part 2

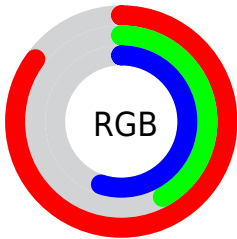
Format	Color
R _Y B	218, 106, 140
Decimal	14314124
CIE Lab	59.07, 47.32, 2.26
CIE LCh	59, 47.375, 2.730
Yxy	27.1069, 0.4132, 0.2887
Android (android.graphics.Color)	4292504204 (0xFFDA6A8C)
YUV	143.3640, -1.6585, 65.4558
Hunter-Lab	52.0643, 41.9153, 4.5612

Details

The XYZ color **38.8011, 27.1069, 27.9981** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **39.6683, 56.6683, 54.1978**, and the grayscale version is **26.2455, 27.6123, 30.0698**.

A 20% lighter version of the original color is **63.4364, 50.2519, 56.8082**, and **17.6158, 10.7580, 10.8209** is the 20% darker color. If you saturate the color by 10%, you get **35.7899, 22.7542, 21.8468**, and if you desaturate by 10%, it is **42.5392, 32.6660, 35.1544**.

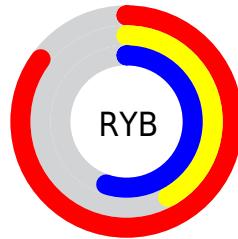
Distribution



Red (85%)

Green (42%)

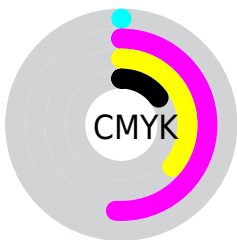
Blue (55%)



Red (85%)

Yellow (42%)

Blue (55%)

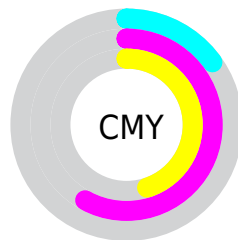


Cyan (0%)

Magenta (51%)

Yellow (36%)

Black (15%)



Cyan (15%)


Magenta (58%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8011, 27.1069, 27.9981 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 38.8011, 27.1069, 27.9981 by changing the saturation by 10% instead.


 38.8011, 27.1069,
27.9981

 38.8011, 27.1069,
27.9981

332.2659,
288.1743, 306.3695


 26.7851, 17.6535,
18.0852


 72.6304, 55.0554,
57.5045


 17.5476, 10.7015,
10.8411


 95.1743, 74.3192,
77.9350

 10.7234, 5.8665,
5.8473


 121.9583, 97.6221,
102.7085

 5.9471, 2.7641,
2.6851

 153.3477,
125.3482, 132.2436

 2.8533, 1.0098,
0.9359

189.7077,
157.8822, 166.9586

 1.0767, 0.0000,
0.0000

231.4039,

 0.0054, 0.0000,

195.6082, 207.2723

0.0000

278.8015,
238.9108, 253.6030

■ 0.0000, 0.0000,
0.0000

■ 38.8011, 27.1069,
27.9981

■ 38.8011, 27.1069,
27.9981

■ 35.7899, 22.7542,
21.8468

■ 42.5392, 32.6660,
35.1544

■ 33.4529, 19.5129,
16.6511

■ 47.0475, 39.5089,
43.3586

■ 31.7336, 17.2805,
12.3593

■ 52.3683, 47.7110,
52.6526

■ 30.5642, 15.9331,
8.9131

■ 58.5402, 57.3411,
63.0759

■ 29.9019, 15.3008,
6.5582

■ 65.5992, 68.4630,
74.6654

■ 73.5793, 81.1368,
87.4568

■ 81.3512, 93.0965,
101.0966

■ 82.7235, 93.6454,
108.3231

Harmonies

Analogous

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



37.1884, 27.1069, 46.9934



38.8011, 27.1069, 27.9981



36.5043, 27.1069, 15.2312

Triad

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



38.8011, 27.1069, 27.9981



20.1175, 27.1069, 9.7846



20.9194, 27.1069, 68.7092

Complementary

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



38.8011, 27.1069, 27.9981



39.6683, 56.6683, 54.1978

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.



17.3691, 27.1069, 50.7337



38.8011, 27.1069, 27.9981



16.9581, 27.1069, 17.0167

Square

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



38.8011, 27.1069, 27.9981



25.2291, 27.1069, 7.5359



16.0334, 27.1069, 31.0853



26.3070, 27.1069, 75.1638

Rectangle

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



38.8011, 27.1069, 27.9981



33.2426, 27.1069, 10.5071



16.0334, 27.1069, 31.0853



19.5012, 27.1069, 63.5463

Sweetspot

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



38.8018, 27.1083, 27.9986



80.0421, 76.3784, 84.1852



37.2277, 25.3817, 69.2668



16.7307, 15.7213, 17.3411



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.



38.8018, 27.1083, 27.9986



50.6078, 31.8318, 30.2203



39.0452, 31.0060, 17.5642



13.2179, 13.1163, 14.4089



17.9564, 9.1836, 4.1504



1.2010, 0.6100, 0.4675

Inverse Universe

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



38.8018, 27.1083, 27.9986



50.6078, 31.8318, 30.2203



38.6722, 48.2719, 73.6089



13.2179, 13.1163, 14.4089



17.9564, 9.1836, 4.1504



1.2010, 0.6100, 0.4675

Previews

White Background



This preview shows how the XYZ color 38.8011, 27.1069, 27.9981 looks on a white background.

Color Contrast Check

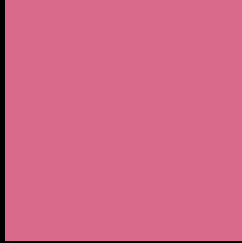
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8011, 27.1069, 27.9981 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 38.8011, 27.1069, 27.9981

Background



This preview shows how black text looks on a background with the XYZ color 38.8011, 27.1069, 27.9981.



This preview shows how white text looks on a background with the XYZ color 38.8011, 27.1069,

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

38.8011, 27.1069, 27.9981

Protanopia

26.9212, 27.4947, 37.6063

Deuteranopia

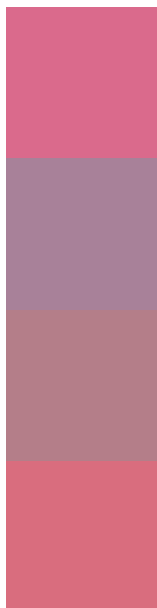
27.7597, 27.2972, 26.7275



Tritanopia

37.1648, 27.0588, 20.4036

Trichromacy



Original Color

38.8011, 27.1069, 27.9981

Protanomaly

29.7485, 26.3253, 33.6504

Deuteranomaly

30.7986, 26.4312, 27.1454

Tritanomaly

37.8498, 27.1954, 22.9930

Monochromacy



Original Color

38.8011, 27.1069, 27.9981

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

29.4427, 26.4643, 29.1475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8011, 27.1069, 27.9981 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(218, 106, 140)` looks like.

```
.text, #text, p{  
    color:rgb(218, 106, 140)  
}
```

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(218, 106, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 106, 140) }
```

Border

The CSS property to change the border of an element to XYZ 38.8011, 27.1069, 27.9981 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(218, 106, 140) }
```


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

```
.border{ border-color:rgb(218, 106, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 106, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 106, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 106, 140);  
box-shadow:4px 4px 4px 4px rgb(218, 106,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8011, 27.1069, 27.9981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 106, 140) }
```

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

```
.background{ background-color: rgb(218,  
106, 140) }
```

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