

# Converting Colors

XYZ(38.2572, 27.6955, 42.1365)

Have a look what the booklet for  
XYZ(38.2572, 27.6955, 42.1365)  
contains.

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# Color

**XYZ(38.2534, 27.6262,  
42.3459)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC71AC
RGB	204, 113, 172
RGB Percent	80%, 44%, 67%
CMY	0.2000, 0.5568, 0.3255
CMYK	0.00, 0.45, 0.16, 0.20
HSL	321°, 47%, 62%
HSV	321°, 45%, 80%
XYZ	38.2534, 27.6262, 42.3459
YIQ	146.9350, 35.2970, 37.6410

# Conversions

## Conversions Part 2

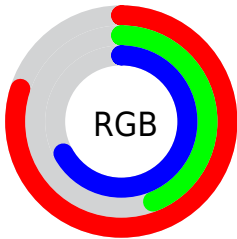
Format	Color
<a href="#">RYB</a>	<a href="#">204, 113, 172</a>
Decimal	<a href="#">13398444</a>
CIELab	<a href="#">59.55, 43.51, -15.73</a>
CIELCh	<a href="#">60, 46.270, 340.127</a>
Yxy	<a href="#">27.6262, 0.3535, 0.2553</a>
Android (android.graphics.Color)	<a href="#">4291588524 (0xFFCC71AC)</a>
YUV	<a href="#">146.9350, 12.3570, 50.0460</a>
Hunter-Lab	<a href="#">52.5606, 37.9304, -10.9750</a>

# Details

The XYZ color **38.2534, 27.6262, 42.3459** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.5151, 48.7417, 34.4320**, and the grayscale version is **27.6475, 29.0873, 31.6761**.

A 20% lighter version of the original color is **68.9238, 54.4435, 79.5490**, and **17.2717, 10.9895, 18.9802** is the 20% darker color. If you saturate the color by 10%, you get **35.5576, 23.3074, 38.1393**, and if you desaturate by 10%, it is **41.4996, 32.9855, 46.9201**.

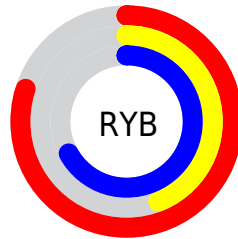
# Distribution



Red (80%)

Green (44%)

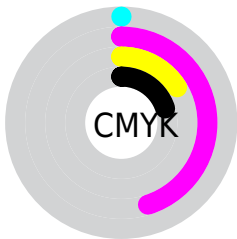
Blue (67%)



Red (80%)

Yellow (44%)

Blue (67%)

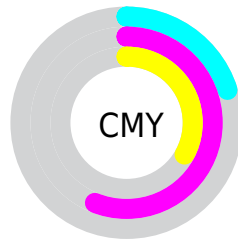


Cyan (0%)

Magenta (45%)

Yellow (16%)

Black (20%)



Cyan (20%)

Magenta (56%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2534, 27.6262, 42.3459 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 38.2534, 27.6262, 42.3459 by changing the saturation by 10% instead.





 38.2534, 27.6262,  
42.3459


 38.2534, 27.6262,  
42.3459


329.9678,  
290.6764, 371.7567


 26.3575, 18.0441,  
29.0446


 71.7978, 55.8871,  
79.9986


 17.2254, 10.9816,  
18.8687

 94.1770, 75.3347,  
105.1871

 10.4916, 6.0545,  
11.3996


 120.7813, 98.8395,  
135.1751

 5.7909, 2.8782,  
6.2188

 151.9762,  
126.7860, 170.3812

 2.7578, 1.0685,  
2.9076

188.1269,  
159.5585, 211.2239

 1.0270, 0.0000,  
1.0477

229.5989,

 0.0000, 0.0000,

197.5415, 258.1216

0.0000

276.7574,  
241.1193, 311.4931

■ 38.2534, 27.6262,  
42.3459

■ 38.2534, 27.6262,  
42.3459

■ 35.5576, 23.3074,  
38.1393

■ 41.4996, 32.9855,  
46.9201

■ 33.3744, 19.9555,  
34.2839

■ 45.3256, 39.4445,  
51.8736

■ 31.6650, 17.4936,  
30.7642

■ 49.7619, 47.0627,  
57.2197

■ 30.3837, 15.8312,  
27.5620

■ 54.8359, 55.8940,  
62.9700

■ 29.4750, 14.8582,  
24.6556

■ 60.5733, 65.9890,  
69.1359

■ 29.0848, 14.5106,  
23.1912

■ 66.9982, 77.3954,  
75.7279

■ 73.8763, 89.6432,  
82.6704

■ 74.8599, 90.0366,  
87.8501

■ 75.8850, 90.4466,  
93.2480

# Harmonies

## Analogous

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



34.1522, 27.6262, 61.8503



38.2534, 27.6262, 42.3459



38.8894, 27.6262, 24.7887

# Triad

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



38.2534, 27.6262, 42.3459



24.3386, 27.6262, 8.2727



18.5957, 27.6262, 55.8299

# Complementary

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



38.2534, 27.6262, 42.3459



33.5151, 48.7417, 34.4320

# 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.



16.7088, 27.6262, 36.0759



38.2534, 27.6262, 42.3459



19.6847, 27.6262, 11.6245

# Square

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



38.2534, 27.6262, 42.3459



30.2495, 27.6262, 8.8833



17.0755, 27.6262, 20.4462



22.6338, 27.6262, 71.4191



# Rectangle

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



38.2534, 27.6262, 42.3459



37.1772, 27.6262, 16.6892



17.0755, 27.6262, 20.4462



17.7180, 27.6262, 49.2084

# Sweetspot

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



38.2542, 27.6275, 42.3465



83.5509, 79.9147, 96.0867



28.4562, 22.1776, 59.9082



17.5052, 16.4508, 20.1259



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.



38.2542, 27.6275, 42.3465



58.8469, 38.5369, 63.0964



34.6161, 26.1722, 23.1881



11.5135, 11.3341, 13.2387



18.3517, 9.1513, 14.8366



0.9819, 0.4862, 0.9504



# Inverse Universe

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



38.2542, 27.6275, 42.3465



58.8469, 38.5369, 63.0964



37.7365, 50.4303, 56.6620



11.5135, 11.3341, 13.2387



18.3517, 9.1513, 14.8366



0.9819, 0.4862, 0.9504



# Previews

## White Background



This preview shows how the XYZ color 38.2534, 27.6262, 42.3459 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

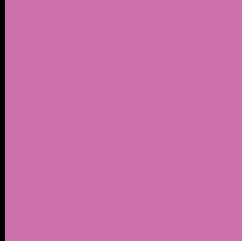
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.2534, 27.6262, 42.3459 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

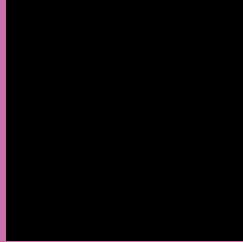
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.2534, 27.6262, 42.3459**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.2534, 27.6262, 42.3459.



This preview shows how white text looks on a background with the XYZ color 38.2534, 27.6262,



# 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

38.2534, 27.6262, 42.3459

### Protanopia

28.5046, 27.9421, 54.3431

### Deuteranopia

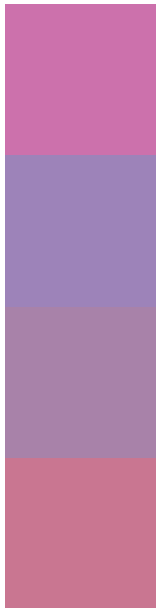
28.3858, 27.7492, 40.4193



## Tritanopia

34.6861, 27.5658, 24.6117

# Trichromacy



## Original Color

38.2534, 27.6262, 42.3459

## Protanomaly

30.7779, 26.9035, 49.4697

## Deuteranomaly

31.2925, 27.1547, 41.1282

## Tritanomaly

35.6767, 27.4187, 30.2000

# Monochromacy



## Original Color

38.2534, 27.6262, 42.3459

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

30.8132, 28.0531, 35.2432

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.2534, 27.6262, 42.3459 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(204, 113, 172)` looks like.

```
.text, #text, p{  
    color:rgb(204, 113, 172)  
}
```

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(204, 113, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 113, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 38.2534, 27.6262, 42.3459 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(204, 113, 172) }
```



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

```
.border{ border-color:rgb(204, 113, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 113, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 113, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 113, 172);  
box-shadow:4px 4px 4px 4px rgb(204, 113,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.2534, 27.6262, 42.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 113, 172) }
```

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

```
.background{ background-color: rgb(204,  
113, 172) }
```

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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