

# Converting Colors

XYZ(38.1218, 23.9120, 35.5584)

Have a look what the booklet for  
XYZ(38.1218, 23.9120, 35.5584)  
contains.

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# Color

**XYZ(38.2011, 23.9105,  
35.4027)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9569F
RGB	217, 86, 159
RGB Percent	85%, 34%, 62%
CMY	0.1490, 0.6627, 0.3765
CMYK	0.00, 0.60, 0.27, 0.15
HSL	327°, 63%, 59%
HSV	327°, 60%, 85%
XYZ	38.2011, 23.9105, 35.4027
YIQ	133.4910, 54.6430, 50.4750

# Conversions

## Conversions Part 2

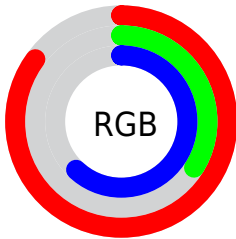
Format	Color
R <sub>YB</sub>	217, 86, 159
Decimal	14243487
CIE <sub>Lab</sub>	56.00, 58.65, -13.39
CIE <sub>LCh</sub>	56, 60.164, 347.138
Yxy	23.9105, 0.3917, 0.2452
Android (android.graphics.Color)	4292433567 (0xFFD9569F)
YUV	133.4910, 12.5759, 73.2374
Hunter-Lab	48.8984, 53.8783, -8.6975

# Details

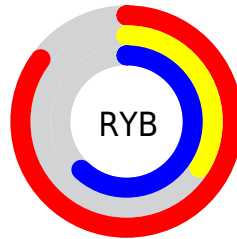
The XYZ color **38.2011, 23.9105, 35.4027** is a light color, and the websafe version is hex **CC6699**. The color can be described as light muted rose. A complement of this color would be **33.6859, 53.6185, 34.9623**, and the grayscale version is **22.4159, 23.5833, 25.6822**.

A 20% lighter version of the original color is **63.0506, 45.4610, 69.0701**, and **17.3112, 9.0664, 15.0249** is the 20% darker color. If you saturate the color by 10%, you get **35.9224, 20.6358, 30.6881**, and if you desaturate by 10%, it is **41.0719, 28.2651, 40.6348**.

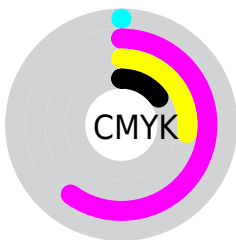
# Distribution



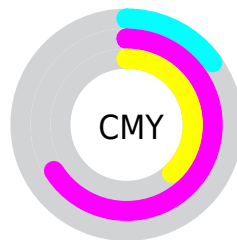
- Red (85%)
- Green (34%)
- Blue (62%)



- Red (85%)
- Yellow (34%)
- Blue (62%)



- Cyan (0%)
- Magenta (60%)
- Yellow (27%)
- Black (15%)




- Cyan (15%)
- Magenta (66%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2011, 23.9105, 35.4027 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 38.2011, 23.9105, 35.4027 by changing the saturation by 10% instead.





 38.2011, 23.9105,  
35.4027


 38.2011, 23.9105,  
35.4027


329.7478,  
272.3677, 341.3004

 26.3167, 15.2672,  
23.6872


 71.7182, 49.8841,  
69.2678


 17.1947, 9.0072,  
14.8917


 94.0816, 67.9833,  
92.2544

 10.4695, 4.7459,  
8.5976


 120.6687, 90.0031,  
119.8353

 5.7760, 2.0989,  
4.3865

 151.8450,  
116.3282, 152.4288

 2.7487, 0.6640,  
1.8397

187.9756,  
147.3428, 190.4535

 1.0223, 0.0000,  
0.4539

229.4261,

 0.0000, 0.0000,

183.4313, 234.3280

0.0000

276.5617,  
224.9781, 284.4707

■ 38.2011, 23.9105,  
35.4027

■ 38.2011, 23.9105,  
35.4027

■ 35.9224, 20.6358,  
30.6881

■ 41.0719, 28.2651,  
40.6348

■ 34.1828, 18.3382,  
26.4657

■ 44.5771, 33.7829,  
46.4050

■ 32.9230, 16.9011,  
22.7082

■ 48.7575, 40.5428,  
52.7338

■ 32.0616, 16.1303,  
19.4869

■ 53.6498, 48.6162,  
59.6401

■ 59.2878, 58.0686,  
67.1414

■ 65.7032, 68.9613,  
75.2547

■ 72.9258, 81.3521,  
83.9957

■ 79.4962, 92.3201,  
92.8841

■ 80.9292, 92.8933,  
100.4305

# Harmonies

## Analogous

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



33.8566, 23.9105, 61.2065



38.2011, 23.9105, 35.4027



37.8414, 23.9105, 16.3970

# Triad

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



38.2011, 23.9105, 35.4027



19.0496, 23.9105, 4.0282



14.8687, 23.9105, 64.8061

# Complementary

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



38.2011, 23.9105, 35.4027



33.6859, 53.6185, 34.9623

# 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.



12.2910, 23.9105, 38.8581



38.2011, 23.9105, 35.4027



14.3493, 23.9105, 7.8412

# Square

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



38.2011, 23.9105, 35.4027



25.7973, 23.9105, 3.8212



12.1223, 23.9105, 18.4845



19.9091, 23.9105, 83.1230



# Rectangle

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



38.2011, 23.9105, 35.4027



34.9754, 23.9105, 9.2155



12.1223, 23.9105, 18.4845



13.7339, 23.9105, 56.2282

# Sweetspot

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



38.2018, 23.9117, 35.4031



79.0138, 72.8895, 88.2573



27.1409, 17.4857, 67.5905



16.4308, 14.7994, 18.2345



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.



38.2018, 23.9117, 35.4031



51.1303, 28.8621, 42.7712



33.9975, 22.2300, 13.2636



13.3583, 13.1724, 15.1479



19.4623, 9.7860, 12.0806



1.3040, 0.6512, 1.0096



# Inverse Universe

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



38.2018, 23.9117, 35.4031



51.1303, 28.8621, 42.7712



40.0695, 56.1719, 68.5776



13.3583, 13.1724, 15.1479



19.4623, 9.7860, 12.0806



1.3040, 0.6512, 1.0096



# Previews

## White Background



This preview shows how the XYZ color 38.2011, 23.9105, 35.4027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

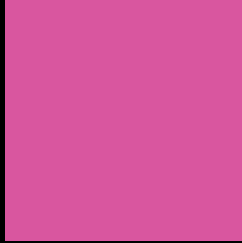
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.2011, 23.9105, 35.4027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

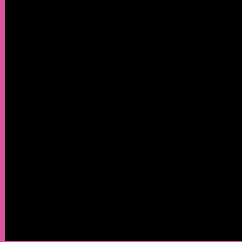
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.2011, 23.9105, 35.4027**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.2011, 23.9105, 35.4027.



This preview shows how white text looks on a background with the XYZ color 38.2011, 23.9105,



# 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

38.2011, 23.9105, 35.4027

### Protanopia

25.1044, 24.2938, 53.2352

### Deuteranopia

24.5990, 24.0750, 33.0562



## Tritanopia

34.0689, 23.7523, 16.1536

# Trichromacy



## Original Color

38.2011, 23.9105, 35.4027

## Protanomaly

27.6205, 22.5584, 46.0785

## Deuteranomaly

28.1956, 22.9529, 33.9546

## Tritanomaly

35.4359, 23.7822, 22.1248

# Monochromacy



## Original Color

38.2011, 23.9105, 35.4027

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

26.4377, 22.3363, 28.5091

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.2011, 23.9105, 35.4027 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(217, 86, 159)` looks like.

```
.text, #text, p{  
    color:rgb(217, 86, 159)  
}
```

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(217, 86, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 86, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 38.2011, 23.9105, 35.4027 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(217, 86, 159) }
```



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

```
.border{ border-color:rgb(217, 86, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 86, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 86, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 86, 159);  
box-shadow:4px 4px 4px 4px rgb(217, 86,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.2011, 23.9105, 35.4027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 86, 159) }
```

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

```
.background{ background-color: rgb(217, 86,  
159) }
```

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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