

Converting Colors

XYZ(36.2772, 18.9517, 38.7415)

Have a look what the booklet for
XYZ(36.2772, 18.9517, 38.7415)
contains.

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Color

**XYZ(36.4087, 19.0299,
38.8000)**

Conversions

Conversions Part 1

Format	Color
Hex	D927A8
RGB	217, 39, 168
RGB Percent	85%, 15%, 66%
CMY	0.1490, 0.8470, 0.3412
CMYK	0.00, 0.82, 0.23, 0.15
HSL	317°, 70%, 50%
HSV	317°, 82%, 85%
XYZ	36.4087, 19.0299, 38.8000
YIQ	106.9280, 64.6790, 77.8550

Conversions

Conversions Part 2

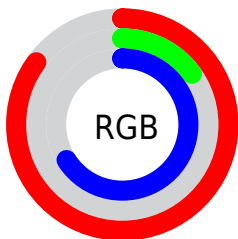
Format	Color
R_{YB}	217, 39, 168
Decimal	14231464
CIE _{Lab}	50.72, 75.53, -26.75
CIE _{LCh}	51, 80.130, 340.495
Yxy	19.0299, 0.3863, 0.2019
Android (android.graphics.Color)	4292421544 (0xFFD927A8)
YUV	106.9280, 30.1085, 96.5331
Hunter-Lab	43.6233, 72.6383, -22.1982

Details

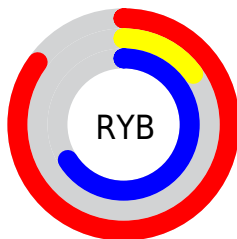
The XYZ color **36.4087, 19.0299, 38.8000** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.4122, 50.7624, 17.5888**, and the grayscale version is **13.8638, 14.5858, 15.8840**.

A 20% lighter version of the original color is **59.8170, 37.1031, 73.8209**, and **17.0570, 8.4291, 17.2510** is the 20% darker color. If you saturate the color by 10%, you get **35.3447, 17.7721, 35.7622**, and if you desaturate by 10%, it is **37.9064, 21.1138, 42.1088**.

Distribution



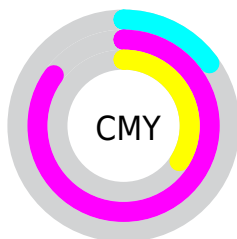
- Red (85%)
- Green (15%)
- Blue (66%)



- Red (85%)
- Yellow (15%)
- Blue (66%)



- Cyan (0%)
- Magenta (82%)
- Yellow (23%)
- Black (15%)




- Cyan (15%)
- Magenta (85%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4087, 19.0299, 38.8000 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 36.4087, 19.0299, 38.8000 by changing the saturation by 10% instead.

 36.4087, 19.0299,
38.8000


 36.4087, 19.0299,
38.8000


322.1436,
246.6138, 356.4400


 24.9216, 11.6919,
26.2975


 68.9822, 41.7846,
74.5497


 16.1471, 6.5342,
16.8186


 90.7992, 57.9701,
98.6339


 9.7198, 3.1726,
9.9447


 116.7903, 77.8735,
127.4159

 5.2744, 1.2225,
5.2572

 147.3208,
101.8793, 161.3141

 2.4455, 0.0799,
2.3376

 182.7560,
130.3719, 200.7471

 0.8679, 0.0000,
0.7521

223.4613,

 0.0000, 0.0000,

163.7355, 246.1333

0.0000

269.8020,
202.3547, 297.8915

■ 36.4087, 19.0299,
38.8000

■ 36.4087, 19.0299,
38.8000

■ 35.3447, 17.7721,
35.7622

■ 37.9064, 21.1138,
42.1088

■ 34.7235, 17.1950,
33.5036

■ 39.8970, 24.1422,
45.7096

■ 42.4319, 28.2172,
49.6213

■ 45.5555, 33.4271,
53.8602

■ 49.3074, 39.8507,
58.4411

■ 53.7237, 47.5596,
63.3776

■ 58.8378, 56.6200,
68.6822

■ 64.6806, 67.0935,
74.3668

■ 71.2813, 79.0378,
80.4425

Harmonies

Analogous

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



29.7886, 19.0299, 74.1680



36.4087, 19.0299, 38.8000



37.3975, 19.0299, 13.7918

Triad

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



36.4087, 19.0299, 38.8000



15.4709, 19.0299, 0.6056



8.8542, 19.0299, 63.4734

Complementary

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



36.4087, 19.0299, 38.8000



27.4122, 50.7624, 17.5888

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.



6.9224, 19.0299, 29.6502



36.4087, 19.0299, 38.8000



9.9388, 19.0299, 2.1553

Square

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



36.4087, 19.0299, 38.8000



23.6194, 19.0299, 0.8334



7.2515, 19.0299, 9.3651



13.4945, 19.0299, 94.1962

Rectangle

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



36.4087, 19.0299, 38.8000



34.4925, 19.0299, 5.5995



7.2515, 19.0299, 9.3651



7.9374, 19.0299, 51.3746

Sweetspot

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



36.4093, 19.0309, 38.8003



75.2772, 64.7715, 89.0001



17.1322, 8.4628, 66.3766



15.6294, 13.0206, 18.5098



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.



36.4093, 19.0309, 38.8003



50.1798, 24.9245, 48.7332



30.8096, 16.7910, 9.3123



13.4535, 13.2105, 15.6492



21.0663, 10.4276, 20.5271



1.4004, 0.6898, 1.5176

Inverse Universe

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



36.4093, 19.0309, 38.8003



50.1798, 24.9245, 48.7332



33.4344, 53.1713, 49.3009



13.4535, 13.2105, 15.6492



21.0663, 10.4276, 20.5271



1.4004, 0.6898, 1.5176

Previews

White Background



This preview shows how the XYZ color 36.4087, 19.0299, 38.8000 looks on a white background.

Color Contrast Check

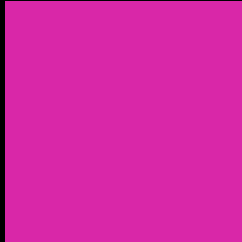
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.4087, 19.0299, 38.8000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

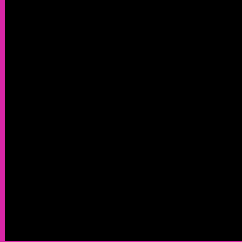
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.4087, 19.0299, 38.8000

Background



This preview shows how black text looks on a background with the XYZ color 36.4087, 19.0299, 38.8000.



This preview shows how white text looks on a background with the XYZ color 36.4087, 19.0299,

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

36.4087, 19.0299, 38.8000

Protanopia

22.6079, 19.6381, 76.7277

Deuteranopia

19.7078, 19.2397, 35.0227



Tritanopia

30.4023, 19.1493, 9.3015

Trichromacy



Original Color

36.4087, 19.0299, 38.8000



Protanomaly

22.3061, 15.5013, 60.8479



Deuteranomaly

22.9403, 16.5003, 36.1582



Tritanomaly

31.9786, 18.6313, 16.9497

Monochromacy



Original Color

36.4087, 19.0299, 38.8000



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

19.0124, 13.8226, 22.4348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4087, 19.0299, 38.8000 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, 39, 168)` looks like.

```
.text, #text, p{  
    color:rgb(217, 39, 168)  
}
```

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, 39, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 39, 168) }
```

Border

The CSS property to change the border of an element to XYZ 36.4087, 19.0299, 38.8000 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, 39, 168) }
```


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

```
.border{ border-color:rgb(217, 39, 168) }
```

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

Here you see how a box with a 4 pixel rgb(217, 39, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 39, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 39, 168);  
box-shadow:4px 4px 4px 4px rgb(217, 39,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4087, 19.0299, 38.8000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 39, 168) }
```

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

```
.background{ background-color: rgb(217, 39,  
168) }
```

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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