

Converting Colors

XYZ(38.6697, 19.8982, 42.0297)

Have a look what the booklet for
XYZ(38.6697, 19.8982, 42.0297)
contains.

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Color

**XYZ(38.6434, 19.8880,
41.8464)**

Conversions

Conversions Part 1

Format	Color
Hex	DF22AE
RGB	223, 34, 174
RGB Percent	87%, 13%, 68%
CMY	0.1255, 0.8666, 0.3176
CMYK	0.00, 0.85, 0.22, 0.13
HSL	316°, 75%, 50%
HSV	316°, 85%, 87%
XYZ	38.6434, 19.8880, 41.8464
YIQ	106.4710, 67.7040, 83.6080

Conversions

Conversions Part 2

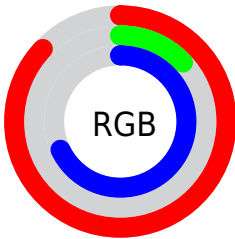
Format	Color
R _Y B	223, 34, 174
Decimal	14623406
CIE Lab	51.71, 78.55, -28.67
CIE LCh	52, 83.623, 339.950
Yxy	19.8880, 0.3850, 0.1981
Android (android.graphics.Color)	4292813486 (0xFFDF22AE)
YUV	106.4710, 33.2918, 102.1959
Hunter-Lab	44.5960, 76.6313, -24.4173

Details

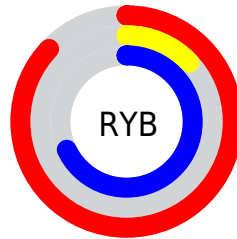
The XYZ color **38.6434, 19.8880, 41.8464** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **28.6100, 53.7407, 17.0521**, and the grayscale version is **13.7295, 14.4445, 15.7301**.

A 20% lighter version of the original color is **60.5745, 37.0763, 78.8267**, and **18.5554, 9.1670, 18.8806** is the 20% darker color. If you saturate the color by 10%, you get **37.6479, 18.7795, 38.7930**, and if you desaturate by 10%, it is **40.0772, 21.8336, 45.1658**.

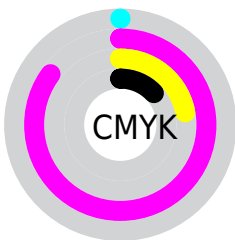
Distribution



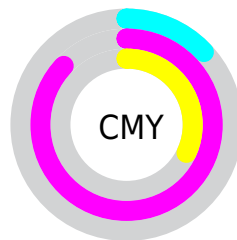
- Red (87%)
- Green (13%)
- Blue (68%)



- Red (87%)
- Yellow (13%)
- Blue (68%)



- Cyan (0%)
- Magenta (85%)
- Yellow (22%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6434, 19.8880, 41.8464 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 38.6434, 19.8880, 41.8464 by changing the saturation by 10% instead.

 38.6434, 19.8880,
41.8464


 38.6434, 19.8880,
41.8464

331.6053,
251.3082, 369.6267


 26.6619, 12.3137,
28.6564


 72.3908, 43.2293,
79.2347


 17.4547, 6.9577,
18.5777


 94.8874, 59.7651,
104.2700


 10.6565, 3.4356,
11.1918


 121.6198, 80.0568,
134.0909

 5.9020, 1.3632,
6.0802

 152.9533,
104.4888, 169.1158

 2.8257, 0.1893,
2.8243

 189.2532,
133.4456, 209.7632

 1.0622, 0.0000,
1.0057

230.8849,

 0.0000, 0.0000,

167.3115, 256.4519

0.0000

278.2139,
206.4709, 309.6002

■ 38.6434, 19.8880,
41.8464

■ 38.6434, 19.8880,
41.8464

■ 37.6479, 18.7795,
38.7930

■ 40.0772, 21.8336,
45.1658

■ 37.2395, 18.4112,
37.2745

■ 42.0166, 24.7515,
48.7749

■ 44.5193, 28.7561,
52.6943

■ 47.6342, 33.9449,
56.9418

■ 51.4049, 40.4046,
61.5334

■ 55.8709, 48.2139,
66.4835

■ 61.0686, 57.4449,
71.8057

■ 67.0316, 68.1646,
77.5124

■ 73.7916, 80.4358,
83.6155

Harmonies

Analogous

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



31.3736, 19.8880, 80.5016



38.6434, 19.8880, 41.8464



39.8481, 19.8880, 14.5680

Triad

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



38.6434, 19.8880, 41.8464



16.2320, 19.8880, 0.4748



8.9826, 19.8880, 67.3860

Complementary

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



38.6434, 19.8880, 41.8464



28.6100, 53.7407, 17.0521

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.



6.9907, 19.8880, 30.7318



38.6434, 19.8880, 41.8464



10.2714, 19.8880, 1.9849

Square

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



38.6434, 19.8880, 41.8464



25.0385, 19.8880, 0.7412



7.3791, 19.8880, 9.2983



13.8618, 19.8880, 101.3806

Rectangle

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



38.6434, 19.8880, 41.8464



36.7657, 19.8880, 5.7404



7.3791, 19.8880, 9.2983



8.0304, 19.8880, 54.1852

Sweetspot

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



38.6441, 19.8890, 41.8468



75.4273, 64.8315, 89.7903



17.3077, 8.2337, 70.4894



15.6655, 13.0351, 18.7001



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.



38.6441, 19.8890, 41.8468



50.4126, 24.9290, 50.2324



32.4991, 17.4311, 9.4879



14.1353, 13.8718, 16.4827



21.9446, 10.8448, 22.1718



1.5570, 0.7661, 1.7259

Inverse Universe

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



38.6441, 19.8890, 41.8468



50.4126, 24.9290, 50.2324



34.8602, 56.2408, 49.9653



14.1353, 13.8718, 16.4827



21.9446, 10.8448, 22.1718



1.5570, 0.7661, 1.7259

Previews

White Background



This preview shows how the XYZ color 38.6434, 19.8880, 41.8464 looks on a white background.

Color Contrast Check

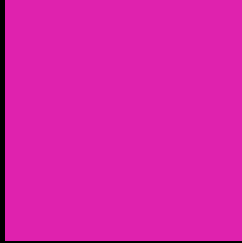
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6434, 19.8880, 41.8464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

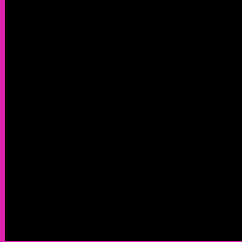
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6434, 19.8880, 41.8464

Background



This preview shows how black text looks on a background with the XYZ color 38.6434, 19.8880, 41.8464.



This preview shows how white text looks on a background with the XYZ color 38.6434, 19.8880,

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

38.6434, 19.8880, 41.8464

Protanopia

23.9660, 20.5085, 85.1335

Deuteranopia

20.5098, 20.1408, 37.4569



Tritanopia

31.8483, 19.8947, 9.3692

Trichromacy



Original Color

38.6434, 19.8880, 41.8464



Protanomaly

23.0373, 15.7475, 66.7911



Deuteranomaly

23.9576, 16.9724, 38.5725



Tritanomaly

33.4580, 19.2256, 17.5703

Monochromacy



Original Color

38.6434, 19.8880, 41.8464



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

19.3598, 13.7656, 23.1094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6434, 19.8880, 41.8464 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(223, 34, 174)` looks like.

```
.text, #text, p{  
    color:rgb(223, 34, 174)  
}
```

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(223, 34, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 34, 174) }
```

Border

The CSS property to change the border of an element to XYZ 38.6434, 19.8880, 41.8464 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(223, 34, 174) }
```


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

```
.border{ border-color:rgb(223, 34, 174) }
```

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

Here you see how a box with a 4 pixel rgb(223, 34, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 34, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 34, 174);  
box-shadow:4px 4px 4px 4px rgb(223, 34,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6434, 19.8880, 41.8464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 34, 174) }
```

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

```
.background{ background-color: rgb(223, 34,  
174) }
```

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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