

Converting Colors

XYZ(36.7233, 19.3914, 40.0912)

Have a look what the booklet for
XYZ(36.7233, 19.3914, 40.0912)
contains.

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Color

**XYZ(36.8298, 19.4197,
40.3353)**

Conversions

Conversions Part 1

Format	Color
Hex	D92BAB
RGB	217, 43, 171
RGB Percent	85%, 17%, 67%
CMY	0.1490, 0.8313, 0.3294
CMYK	0.00, 0.80, 0.21, 0.15
HSL	316°, 70%, 51%
HSV	316°, 80%, 85%
XYZ	36.8298, 19.4197, 40.3353
YIQ	109.6180, 62.6160, 76.6960

Conversions

Conversions Part 2

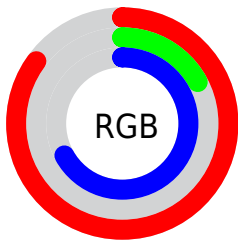
Format	Color
R_{YB}	217, 43, 171
Decimal	14232491
CIE _{Lab}	51.17, 74.98, -27.82
CIE _{LCh}	51, 79.971, 339.642
Yxy	19.4197, 0.3813, 0.2011
Android (android.graphics.Color)	4292422571 (0xFFD92BAB)
YUV	109.6180, 30.2613, 94.1740
Hunter-Lab	44.0678, 72.0633, -23.4208

Details

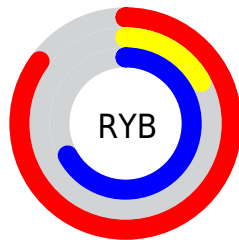
The XYZ color **36.8298, 19.4197, 40.3353** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.6134, 50.8613, 17.8157**, and the grayscale version is **14.6172, 15.3785, 16.7472**.

A 20% lighter version of the original color is **60.5738, 37.7433, 76.7656**, and **17.3706, 8.5771, 17.8796** is the 20% darker color. If you saturate the color by 10%, you get **35.7049, 18.0259, 37.3205**, and if you desaturate by 10%, it is **38.3989, 21.6633, 43.6155**.

Distribution



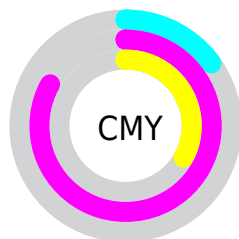
- Red (85%)
- Green (17%)
- Blue (67%)



- Red (85%)
- Yellow (17%)
- Blue (67%)



- Cyan (0%)
- Magenta (80%)
- Yellow (21%)
- Black (15%)





- Cyan (15%)
- Magenta (83%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8298, 19.4197, 40.3353 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 36.8298, 19.4197, 40.3353 by changing the saturation by 10% instead.

 36.8298, 19.4197,
40.3353

 36.8298, 19.4197,
40.3353

323.9414,
248.7560, 363.1288


 25.2488, 11.9739,
27.4843


 69.6265, 42.4421,
76.9165

 16.3922, 6.7259,
17.7016


 91.5729, 58.7875,
101.4838

 9.8947, 3.2913,
10.5688


 117.7051, 78.8683,
130.7935

 5.3910, 1.2856,
5.6672

 148.3885,
103.0688, 165.2643

 2.5155, 0.1300,
2.5783

 183.9885,
131.7734, 205.3147

 0.9031, 0.0000,
0.8812

224.8704,

 0.0000, 0.0000,

165.3666, 251.3633

0.0000

271.3996,
204.2327, 303.8284

■ 36.8298, 19.4197,
40.3353

■ 36.8298, 19.4197,
40.3353

■ 35.7049, 18.0259,
37.3205

■ 38.3989, 21.6633,
43.6155

■ 34.9281, 17.2769,
34.5814

■ 40.4689, 24.8704,
47.1812

■ 43.0898, 29.1406,
51.0504

■ 46.3050, 34.5599,
55.2392

■ 50.1533, 41.2058,
59.7617

■ 54.6704, 49.1487,
64.6312

■ 59.8889, 58.4540,
69.8600

■ 65.8396, 69.1824,
75.4594

■ 72.5511, 81.3910,
81.4405

Harmonies

Analogous

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



30.0355, 19.4197, 75.9849



36.8298, 19.4197, 40.3353



38.0139, 19.4197, 14.6241

Triad

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



36.8298, 19.4197, 40.3353



16.0129, 19.4197, 0.6565



9.0081, 19.4197, 63.2070

Complementary

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



36.8298, 19.4197, 40.3353



27.6134, 50.8613, 17.8157

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.



7.1130, 19.4197, 29.3623



36.8298, 19.4197, 40.3353



10.3188, 19.4197, 2.1715

Square

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



36.8298, 19.4197, 40.3353



24.3059, 19.4197, 0.9268



7.5117, 19.4197, 9.2745



13.6322, 19.4197, 94.5293

Rectangle

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



36.8298, 19.4197, 40.3353



35.1964, 19.4197, 6.0376



7.5117, 19.4197, 9.2745



8.1010, 19.4197, 51.0478

Sweetspot

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



36.8304, 19.4207, 40.3356



76.0406, 65.9759, 90.2485



17.2736, 8.7411, 66.4227



15.7813, 13.2532, 18.7801



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.



36.8304, 19.4207, 40.3356



50.6754, 25.2113, 51.0702



31.1800, 17.1605, 10.5810



13.4598, 13.2130, 15.6823



21.1892, 10.4767, 21.1744



1.4076, 0.6927, 1.5551

Inverse Universe

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



36.8304, 19.4207, 40.3356



50.6754, 25.2113, 51.0702



33.4014, 53.1765, 48.2947



13.4598, 13.2130, 15.6823



21.1892, 10.4767, 21.1744



1.4076, 0.6927, 1.5551

Previews

White Background



This preview shows how the XYZ color 36.8298, 19.4197, 40.3353 looks on a white background.

Color Contrast Check

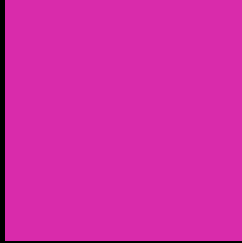
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8298, 19.4197, 40.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

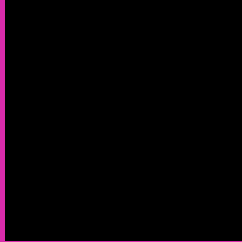
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8298, 19.4197, 40.3353

Background



This preview shows how black text looks on a background with the XYZ color 36.8298, 19.4197, 40.3353.



This preview shows how white text looks on a background with the XYZ color 36.8298, 19.4197,

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

36.8298, 19.4197, 40.3353

Protanopia

23.0072, 19.9873, 78.2466

Deuteranopia

20.2098, 19.8254, 36.4797



Tritanopia

30.3641, 19.3183, 9.9130

Trichromacy



Original Color

36.8298, 19.4197, 40.3353



Protanomaly

22.7209, 15.9372, 62.2003



Deuteranomaly

23.4684, 17.1246, 37.6658



Tritanomaly

32.0220, 18.8787, 17.8758

Monochromacy



Original Color

36.8298, 19.4197, 40.3353



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

19.8871, 14.7111, 23.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8298, 19.4197, 40.3353 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, 43, 171)` looks like.

```
.text, #text, p{  
    color:rgb(217, 43, 171)  
}
```

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, 43, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 43, 171) }
```

Border

The CSS property to change the border of an element to XYZ 36.8298, 19.4197, 40.3353 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, 43, 171) }
```


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

```
.border{ border-color:rgb(217, 43, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 43, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 43, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 43, 171);  
box-shadow:4px 4px 4px 4px rgb(217, 43,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8298, 19.4197, 40.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 43, 171) }
```

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

```
.background{ background-color: rgb(217, 43,  
171) }
```

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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