

Converting Colors

XYZ(36.8542, 18.7984, 35.9955)

Have a look what the booklet for
XYZ(36.8542, 18.7984, 35.9955)
contains.

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Color

**XYZ(36.7098, 18.7196,
35.8608)**

Conversions

Conversions Part 1

Format	Color
Hex	DD1AA2
RGB	221, 26, 162
RGB Percent	87%, 10%, 64%
CMY	0.1333, 0.8980, 0.3647
CMYK	0.00, 0.88, 0.27, 0.13
HSL	318°, 79%, 48%
HSV	318°, 88%, 87%
XYZ	36.7098, 18.7196, 35.8608
YIQ	99.8090, 72.5640, 83.6360

Conversions

Conversions Part 2

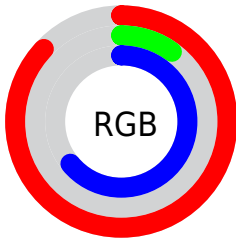
Format	Color
R_{YB}	221, 26, 162
Decimal	14490274
CIE _{Lab}	50.36, 78.10, -23.71
CIE _{LCh}	50, 81.621, 343.114
Yxy	18.7196, 0.4021, 0.2051
Android (android.graphics.Color)	4292680354 (0xFFDD1AA2)
YUV	99.8090, 30.6602, 106.2845
Hunter-Lab	43.2662, 75.7352, -18.8557

Details

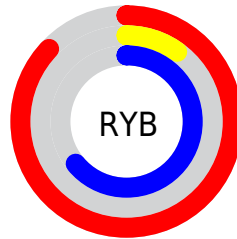
The XYZ color **36.7098, 18.7196, 35.8608** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.9237, 52.5892, 17.2779**, and the grayscale version is **11.9790, 12.6028, 13.7245**.

A 20% lighter version of the original color is **58.4181, 35.5771, 69.4337**, and **17.5124, 8.7029, 15.5087** is the 20% darker color. If you saturate the color by 10%, you get **35.8042, 17.8344, 32.7036**, and if you desaturate by 10%, it is **38.0130, 20.3489, 39.3068**.

Distribution



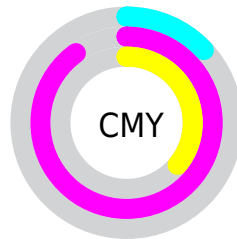
- Red (87%)
- Green (10%)
- Blue (64%)



- Red (87%)
- Yellow (10%)
- Blue (64%)



- Cyan (0%)
- Magenta (88%)
- Yellow (27%)
- Black (13%)





- Cyan (13%)
- Magenta (90%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7098, 18.7196, 35.8608 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 36.7098, 18.7196, 35.8608 by changing the saturation by 10% instead.


 36.7098, 18.7196,
35.8608

 36.7098, 18.7196,
35.8608


323.4298,
244.8964, 343.3707

 25.1555, 11.4678,
24.0379

 69.4430, 41.2597,
69.9838

 16.3223, 6.3824,
15.1493


 91.3526, 57.3169,
93.1209


 9.8448, 3.0790,
8.7764


 117.4446, 77.0780,
120.8665

 5.3577, 1.1731,
4.5008

 148.0846,
100.9275, 153.6392

 2.4955, 0.0396,
1.9039

 183.6377,
129.2496, 191.8574

 0.8930, 0.0000,
0.4952

 224.4694,

 0.0000, 0.0000,

162.4289, 235.9397

0.0000

270.9450,
200.8497, 286.3046

■ 36.7098, 18.7196,
35.8608

■ 36.7098, 18.7196,
35.8608

■ 35.8042, 17.8344,
32.7036

■ 38.0130, 20.3489,
39.3068

■ 35.6622, 17.7095,
32.1656

■ 39.7977, 22.8902,
43.0716

■ 42.1240, 26.4624,
47.1774

■ 45.0421, 31.1655,
51.6435

■ 48.5966, 37.0878,
56.4868

■ 52.8276, 44.3088,
61.7228

■ 57.7717, 52.9011,
67.3658

■ 63.4629, 62.9321,
73.4294

■ 69.9330, 74.4645,
79.9260

Harmonies

Analogous

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



30.3651, 18.7196, 71.6905



36.7098, 18.7196, 35.8608



37.1320, 18.7196, 12.0005

Triad

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



36.7098, 18.7196, 35.8608



14.5554, 18.7196, 0.5125



8.8286, 18.7196, 67.0963

Complementary

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



36.7098, 18.7196, 35.8608



27.9237, 52.5892, 17.2779

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.



6.6987, 18.7196, 31.9686



36.7098, 18.7196, 35.8608



9.2805, 18.7196, 2.2431

Square

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



36.7098, 18.7196, 35.8608



22.5937, 18.7196, 0.6098



6.8349, 18.7196, 10.1557



13.7246, 18.7196, 97.1044

Rectangle

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



36.7098, 18.7196, 35.8608



33.8428, 18.7196, 4.6323



6.8349, 18.7196, 10.1557



7.8408, 18.7196, 54.7088

Sweetspot

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



36.7104, 18.7206, 35.8611



74.3595, 63.5208, 86.8917



17.1235, 7.8689, 69.0232



15.4404, 12.7761, 18.0352



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.



36.7104, 18.7206, 35.8611



49.2596, 24.4678, 44.1605



31.1434, 16.4938, 6.5459



13.4378, 13.2042, 15.5668



20.7690, 10.3087, 18.9616



1.3831, 0.6829, 1.4262

Inverse Universe

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



36.7104, 18.7206, 35.8611



49.2596, 24.4678, 44.1605



34.7271, 55.3106, 53.1042



13.4378, 13.2042, 15.5668



20.7690, 10.3087, 18.9616



1.3831, 0.6829, 1.4262

Previews

White Background



This preview shows how the XYZ color 36.7098, 18.7196, 35.8608 looks on a white background.

Color Contrast Check

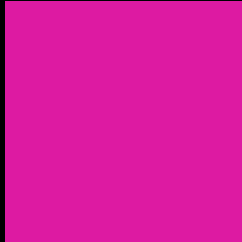
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7098, 18.7196, 35.8608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

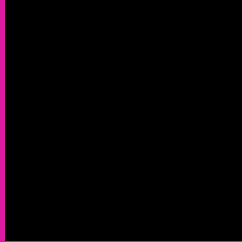
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7098, 18.7196, 35.8608

Background



This preview shows how black text looks on a background with the XYZ color 36.7098, 18.7196, 35.8608.



This preview shows how white text looks on a background with the XYZ color 36.7098, 18.7196,

35.8608.

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

36.7098, 18.7196, 35.8608

Protanopia

22.1387, 19.2703, 74.5042

Deuteranopia

19.3484, 18.9369, 32.3412



Tritanopia

30.8760, 18.7654, 7.9560

Trichromacy



Original Color

36.7098, 18.7196, 35.8608



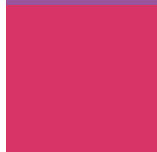
Protanomaly

21.6955, 14.6455, 58.1833



Deuteranomaly

22.5757, 15.7673, 33.3060



Tritanomaly

32.3420, 18.2072, 14.9064

Monochromacy



Original Color

36.7098, 18.7196, 35.8608



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

17.4593, 12.1244, 20.1589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7098, 18.7196, 35.8608 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(221, 26, 162)` looks like.

```
.text, #text, p{  
    color:rgb(221, 26, 162)  
}
```

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(221, 26, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 26, 162) }
```

Border

The CSS property to change the border of an element to XYZ 36.7098, 18.7196, 35.8608 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(221, 26, 162) }
```


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

```
.border{ border-color:rgb(221, 26, 162) }
```

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

Here you see how a box with a 4 pixel rgb(221, 26, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 26, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 26, 162);  
box-shadow:4px 4px 4px 4px rgb(221, 26,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7098, 18.7196, 35.8608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 26, 162) }
```

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

```
.background{ background-color: rgb(221, 26,  
162) }
```

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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