

Converting Colors

XYZ(30.7497, 9.0843, 36.2015)

Have a look what the booklet for
XYZ(30.7497, 9.0843, 36.2015)
contains.

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Color

**XYZ(34.9073, 17.2002,
37.5566)**

Conversions

Conversions Part 1

Format	Color
Hex	D700A6
RGB	215, 0, 166
RGB Percent	84%, 0%, 65%
CMY	0.1569, 0.9999, 0.3490
CMYK	0.00, 1.00, 0.23, 0.16
HSL	314°, 100%, 42%
HSV	314°, 100%, 84%
XYZ	34.9073, 17.2002, 37.5566
YIQ	83.2090, 74.8540, 97.2060

Conversions

Conversions Part 2

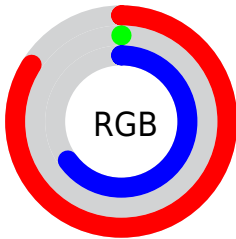
Format	Color
R_{YB}	215, 0, 166
Decimal	14090406
CIE _{Lab}	48.51, 80.00, -29.04
CIE _{LCh}	49, 85.106, 340.052
Yxy	17.2002, 0.3893, 0.1918
Android (android.graphics.Color)	4292280486 (0xFFD700A6)
YUV	83.2090, 40.8160, 115.5807
Hunter-Lab	41.4731, 77.6628, -24.6597

Details

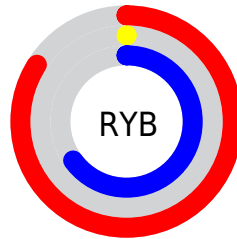
The XYZ color **34.9073, 17.2002, 37.5566** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **24.8562, 48.8235, 11.0234**, and the grayscale version is **8.1773, 8.6032, 9.3689**.

A 20% lighter version of the original color is **58.2055, 34.3092, 71.9612**, and **16.5548, 8.1835, 16.6266** is the 20% darker color. If you saturate the color by 10%, you get **34.9068, 17.2001, 37.5530**, and if you desaturate by 10%, it is **35.6439, 17.9399, 40.0628**.

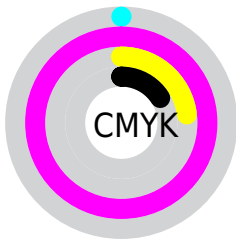
Distribution



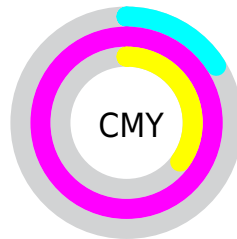
- Red (84%)
- Green (0%)
- Blue (65%)



- Red (84%)
- Yellow (0%)
- Blue (65%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (16%)





- Cyan (16%)
- Magenta (100%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9073, 17.2002, 37.5566 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 34.9073, 17.2002, 37.5566 by changing the saturation by 10% instead.

 34.9073, 17.2002,
37.5566


 34.9073, 17.2002,
37.5566


315.6742,
236.3234, 350.9550


 23.7577, 10.3773,
25.3396


 66.6771, 38.6697,
72.6239


 15.2777, 5.6499,
16.1089


 88.0280, 54.0851,
96.3112


 9.1021, 2.6334,
9.4461


 113.5100, 73.1334,
124.6591

 4.8655, 0.9435,
4.9325

 143.4884, 96.1991,
158.0860

 2.2025, 0.0000,
2.1497

 178.3287,
123.6666, 197.0105

 0.7441, 0.0000,
0.6451

 218.3962,

 0.0000, 0.0000,

155.9202, 241.8512

0.0000

264.0562,
193.3444, 293.0265

■ 34.9073, 17.2002,
37.5566

■ 34.9073, 17.2002,
37.5566

■ 34.9068, 17.2001,
37.5530

■ 35.6439, 17.9399,
40.0628

■ 36.7066, 19.3042,
42.7631

■ 38.1983, 21.4986,
45.6928

■ 40.1759, 24.6367,
48.8716

■ 42.6877, 28.8143,
52.3166

■ 45.7756, 34.1154,
56.0427

■ 49.4776, 40.6155,
60.0632

■ 53.8282, 48.3834,
64.3905

■ 58.8593, 57.4827,
69.0362

Harmonies

Analogous

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



28.0347, 17.2002, 74.6715



34.9073, 17.2002, 37.5566



36.0304, 17.2002, 12.1820

Triad

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



34.9073, 17.2002, 37.5566



13.8657, 17.2002, 0.0000



7.3398, 17.2002, 62.2472

Complementary

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



34.9073, 17.2002, 37.5566



24.8562, 48.8235, 11.0234

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.



5.5747, 17.2002, 27.2784



34.9073, 17.2002, 37.5566



8.4665, 17.2002, 1.3318

Square

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



34.9073, 17.2002, 37.5566



22.0228, 17.2002, 0.2545



5.9083, 17.2002, 7.5569



11.7432, 17.2002, 95.1724

Rectangle

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



34.9073, 17.2002, 37.5566



33.0872, 17.2002, 4.3951



5.9083, 17.2002, 7.5569



6.4935, 17.2002, 49.5599

Sweetspot

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



34.9079, 17.2011, 37.5569



72.6284, 59.4475, 88.1987



13.4206, 5.5022, 64.6451



15.0274, 11.8102, 18.3287



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.



34.9079, 17.2011, 37.5569



51.3036, 25.2855, 54.9244



28.8656, 14.7842, 5.7389



12.8263, 12.5820, 15.0254



20.9203, 10.3045, 22.6823



1.2921, 0.6336, 1.5277

Inverse Universe

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



34.9079, 17.2011, 37.5569



51.3036, 25.2855, 54.9244



30.1416, 50.9377, 38.8561



12.8263, 12.5820, 15.0254



20.9203, 10.3045, 22.6823



1.2921, 0.6336, 1.5277

Previews

White Background



This preview shows how the XYZ color 34.9073, 17.2002, 37.5566 looks on a white background.

Color Contrast Check

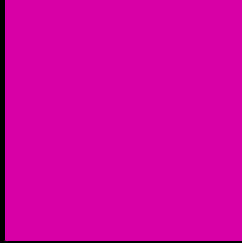
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 34.9073, 17.2002, 37.5566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

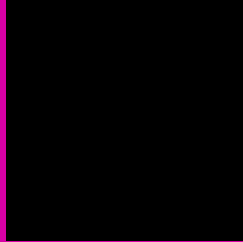
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.9073, 17.2002, 37.5566

Background



This preview shows how black text looks on a background with the XYZ color 34.9073, 17.2002, 37.5566.



This preview shows how white text looks on a background with the XYZ color 34.9073, 17.2002,

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

34.9073, 17.2002, 37.5566

Protanopia

21.6411, 18.1735, 81.7241

Deuteranopia

18.1105, 17.7538, 33.4826



Tritanopia

28.6966, 17.4757, 7.4909

Trichromacy



Original Color

34.9073, 17.2002, 37.5566



Protanomaly

19.2208, 11.9905, 62.9294



Deuteranomaly

20.4946, 13.3793, 34.3032



Tritanomaly

29.8700, 16.2870, 14.6661

Monochromacy



Original Color

34.9073, 17.2002, 37.5566



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

13.6138, 8.5638, 16.5582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9073, 17.2002, 37.5566 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(215, 0, 166)` looks like.

```
.text, #text, p{  
    color:rgb(215, 0, 166)  
}
```

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(215, 0, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 0, 166) }
```

Border

The CSS property to change the border of an element to XYZ 34.9073, 17.2002, 37.5566 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(215, 0, 166) }
```


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

```
.border{ border-color:rgb(215, 0, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 0, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 0, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 0, 166);  
box-shadow:4px 4px 4px 4px rgb(215, 0,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9073, 17.2002, 37.5566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 0, 166) }
```

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

```
.background{ background-color: rgb(215, 0,  
166) }
```

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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