

# Converting Colors

XYZ(34.3277, 17.2057, 23.7850)

Have a look what the booklet for  
XYZ(34.3277, 17.2057, 23.7850)  
contains.

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# Color

**XYZ(34.3578, 17.2231,  
23.7038)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE0085
RGB	222, 0, 133
RGB Percent	87%, 0%, 52%
CMY	0.1294, 0.9998, 0.4784
CMYK	0.00, 1.00, 0.40, 0.13
HSL	324°, 100%, 44%
HSV	324°, 100%, 87%
XYZ	34.3578, 17.2231, 23.7038
YIQ	81.5400, 89.6190, 88.4270

# Conversions

## Conversions Part 2

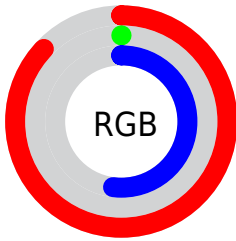
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 0, 133
Decimal	14549125
CIE <sub>Lab</sub>	48.54, 77.99, -9.04
CIE <sub>LCh</sub>	49, 78.509, 353.389
Yxy	17.2231, 0.4564, 0.2288
Android (android.graphics.Color)	4292739205 (0xFFDE0085)
YUV	81.5400, 25.3698, 123.1834
Hunter-Lab	41.5007, 75.1511, -4.8139

# Details

The XYZ color **34.3578, 17.2231, 23.7038** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **27.9271, 52.9648, 18.2135**, and the grayscale version is **7.8723, 8.2823, 9.0194**.

A 20% lighter version of the original color is **54.0173, 32.6339, 49.9063**, and **16.2982, 8.2172, 9.1146** is the 20% darker color. If you saturate the color by 10%, you get **34.3564, 17.2224, 23.6966**, and if you desaturate by 10%, it is **35.2910, 18.0630, 27.1792**.

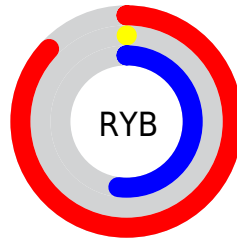
# Distribution



Red (87%)

Green (0%)

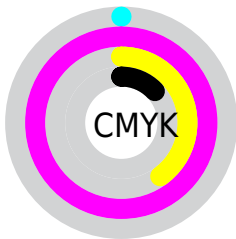
Blue (52%)



Red (87%)

Yellow (0%)

Blue (52%)

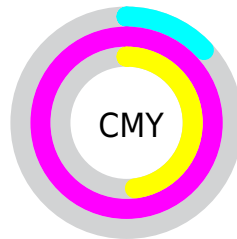


Cyan (0%)

Magenta (100%)

Yellow (40%)

Black (13%)



Cyan (13%)

Magenta (100%)


Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3578, 17.2231, 23.7038 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 34.3578, 17.2231, 23.7038 by changing the saturation by 10% instead.





 34.3578, 17.2231,  
23.7038


 34.3578, 17.2231,  
23.7038


313.2824,  
236.4548, 284.5577


 23.3328, 10.3937,  
14.9039


 65.8303, 38.7090,  
50.4842

 14.9615, 5.6608,  
8.6061


 87.0085, 54.1342,  
69.3017


 8.8785, 2.6399,  
4.3919


 112.3018, 73.1935,  
92.2955

 4.7185, 0.9468,  
1.8427

 142.0756, 96.2713,  
119.8841

 2.1161, 0.0000,  
0.4559

 176.6952,  
123.7519, 152.4861

 0.6979, 0.0000,  
0.0000

 216.5259,

 0.0000, 0.0000,

156.0197, 190.5200

0.0000

261.9333,  
193.4592, 234.4044

■ 34.3578, 17.2231,  
23.7038

■ 34.3578, 17.2231,  
23.7038

■ 34.3564, 17.2224,  
23.6966

■ 35.2910, 18.0630,  
27.1792

■ 36.6117, 19.5926,  
31.0469

■ 38.4300, 22.0302,  
35.3498

■ 40.8087, 25.4993,  
40.1145

■ 43.8008, 30.1041,  
45.3641

■ 47.4527, 35.9359,  
51.1196

■ 51.8064, 43.0767,  
57.4002

■ 56.8999, 51.6012,  
64.2237

■ 62.7689, 61.5787,  
71.6069

# Harmonies

## Analogous

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



30.2059, 17.2231, 53.7823



34.3578, 17.2231, 23.7038



32.6704, 17.2231, 6.9971

# Triad

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



34.3578, 17.2231, 23.7038



11.4615, 17.2231, 0.8132



9.4176, 17.2231, 72.0660

# Complementary

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



34.3578, 17.2231, 23.7038



27.9271, 52.9648, 18.2135

# 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.



6.6598, 17.2231, 39.3356



34.3578, 17.2231, 23.7038



7.5748, 17.2231, 3.6445

# Square

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



34.3578, 17.2231, 23.7038



18.0180, 17.2231, 0.3986



6.1014, 17.2231, 14.5446



14.8258, 17.2231, 92.2718



# Rectangle

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



34.3578, 17.2231, 23.7038



28.6487, 17.2231, 2.5664



6.1014, 17.2231, 14.5446



8.2226, 17.2231, 61.3710

# Sweetspot

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



34.3583, 17.2241, 23.7041



70.7586, 58.6996, 78.3526



17.2888, 7.3904, 69.6223



14.5797, 11.6311, 15.9713



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.



34.3583, 17.2241, 23.7041



46.9689, 23.5516, 32.0982



30.2718, 15.5895, 2.1851



14.0502, 13.8377, 16.0345



20.4634, 10.2524, 14.3719



1.4623, 0.7282, 1.2273



# Inverse Universe

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



34.3583, 17.2241, 23.7041



46.9689, 23.5516, 32.0982



36.5243, 56.4037, 63.4860



14.0502, 13.8377, 16.0345



20.4634, 10.2524, 14.3719



1.4623, 0.7282, 1.2273



# Previews

## White Background



This preview shows how the XYZ color 34.3578, 17.2231, 23.7038 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 34.3578, 17.2231, 23.7038 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 34.3578, 17.2231, 23.7038**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.3578, 17.2231, 23.7038.



This preview shows how white text looks on a background with the XYZ color 34.3578, 17.2231,



# 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

34.3578, 17.2231, 23.7038

### Protanopia

19.4652, 18.0493, 51.7482

### Deuteranopia

18.1966, 17.9003, 21.2349



## Tritanopia

30.5542, 17.5643, 5.2699

# Trichromacy



## Original Color

34.3578, 17.2231, 23.7038



## Protanomaly

19.7916, 12.9016, 39.4773



## Deuteranomaly

20.9113, 13.8745, 21.6546



## Tritanomaly

31.3468, 16.8287, 9.7797

# Monochromacy



## Original Color

34.3578, 17.2231, 23.7038



## Achromatopsia

8.0200, 8.4376, 9.1886



## Achromatomaly

13.2498, 8.3821, 13.2315

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.3578, 17.2231, 23.7038 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(222, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 133)  
}
```

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(222, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 34.3578, 17.2231, 23.7038 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(222, 0, 133) }
```



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

```
.border{ border-color:rgb(222, 0, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 0, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.3578, 17.2231, 23.7038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 133) }
```

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

```
.background{ background-color: rgb(222, 0,  
133) }
```

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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