

Converting Colors

XYZ(34.6340, 17.3282, 25.3978)

Have a look what the booklet for
XYZ(34.6340, 17.3282, 25.3978)
contains.

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Color

**XYZ(34.7116, 17.3646,
25.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	DE008A
RGB	222, 0, 138
RGB Percent	87%, 0%, 54%
CMY	0.1294, 0.9998, 0.4588
CMYK	0.00, 1.00, 0.38, 0.13
HSL	323°, 100%, 44%
HSV	323°, 100%, 87%
XYZ	34.7116, 17.3646, 25.5669
YIQ	82.1100, 88.0140, 89.9820

Conversions

Conversions Part 2

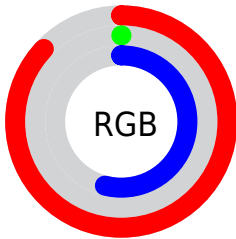
Format	Color
RYB	222, 0, 138
Decimal	14549130
CIELab	48.72, 78.45, -11.81
CIELCh	49, 79.330, 351.440
Yxy	17.3646, 0.4471, 0.2236
Android (android.graphics.Color)	4292739210 (0xFFDE008A)
YUV	82.1100, 27.5538, 122.6835
Hunter-Lab	41.6709, 75.7656, -7.2074

Details

The XYZ color **34.7116, 17.3646, 25.5669** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **27.7239, 52.8836, 17.1438**, and the grayscale version is **7.9816, 8.3973, 9.1447**.

A 20% lighter version of the original color is **54.5583, 32.8503, 52.7554**, and **16.4594, 8.2816, 9.9635** is the 20% darker color. If you saturate the color by 10%, you get **34.7103, 17.3640, 25.5600**, and if you desaturate by 10%, it is **35.6354, 18.2008, 28.9933**.

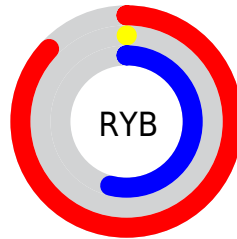
Distribution



Red (87%)

Green (0%)

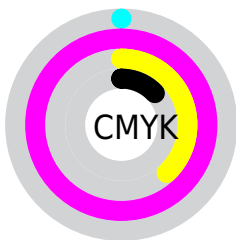
Blue (54%)



Red (87%)

Yellow (0%)

Blue (54%)

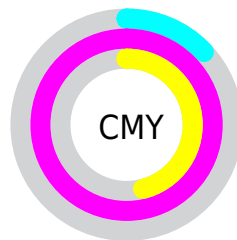


Cyan (0%)

Magenta (100%)

Yellow (38%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7116, 17.3646, 25.5669 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 34.7116, 17.3646, 25.5669 by changing the saturation by 10% instead.


 34.7116, 17.3646,
25.5669


 34.7116, 17.3646,
25.5669


314.8239,
237.2648, 294.1870


 23.6063, 10.4948,
16.2771


 66.3757, 38.9516,
53.5509


 15.1650, 5.7282,
9.5639


 87.6652, 54.4376,
73.0821


 9.0223, 2.6805,
5.0090


 113.0802, 73.5644,
96.8643

 4.8130, 0.9673,
2.1937

 142.9859, 96.7164,
125.3158

 2.1716, 0.0000,
0.6707

 177.7478,
124.2781, 158.8553

 0.7277, 0.0000,
0.0000

 217.7312,

 0.0000, 0.0000,

156.6338, 197.9013

0.0000

263.3014,
194.1679, 242.8724

■ 34.7116, 17.3646,
25.5669

■ 34.7116, 17.3646,
25.5669

■ 34.7103, 17.3640,
25.5600

■ 35.6354, 18.2008,
28.9933

■ 36.9415, 19.7245,
32.7842

■ 38.7397, 22.1539,
36.9813

■ 41.0926, 25.6126,
41.6102

■ 44.0530, 30.2047,
46.6931

■ 47.6672, 36.0213,
52.2500

■ 51.9768, 43.1444,
58.2991

■ 57.0200, 51.6487,
64.8574

■ 62.8319, 61.6033,
71.9408

Harmonies

Analogous

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



30.1455, 17.3646, 56.8297



34.7116, 17.3646, 25.5669



33.3867, 17.3646, 7.6653

Triad

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



34.7116, 17.3646, 25.5669



11.8740, 17.3646, 0.7099



9.1914, 17.3646, 71.2216

Complementary

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



34.7116, 17.3646, 25.5669



27.7239, 52.8836, 17.1438

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.



6.5612, 17.3646, 37.8107



34.7116, 17.3646, 25.5669



7.7608, 17.3646, 3.2644

Square

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



34.7116, 17.3646, 25.5669



18.6903, 17.3646, 0.3878



6.1290, 17.3646, 13.5176



14.4962, 17.3646, 93.3916

Rectangle

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



34.7116, 17.3646, 25.5669



29.4706, 17.3646, 2.8061



6.1290, 17.3646, 13.5176



8.0392, 17.3646, 60.1261

Sweetspot

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



34.7121, 17.3656, 25.5672



70.9941, 58.7937, 79.5925



16.6157, 7.0434, 69.5908



14.6358, 11.6535, 16.2666



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.



34.7121, 17.3656, 25.5672



47.4541, 23.7456, 34.6528



30.3544, 15.6225, 2.6201



14.0636, 13.8431, 16.1052



20.6729, 10.3362, 15.4753



1.4761, 0.7337, 1.2997

Inverse Universe

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



34.7121, 17.3656, 25.5672



47.4541, 23.7456, 34.6528



35.6813, 56.0665, 59.0468



14.0636, 13.8431, 16.1052



20.6729, 10.3362, 15.4753



1.4761, 0.7337, 1.2997

Previews

White Background



This preview shows how the XYZ color 34.7116, 17.3646, 25.5669 looks on a white background.

Color Contrast Check

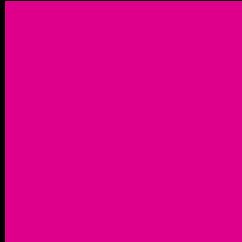
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.7116, 17.3646, 25.5669 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 34.7116, 17.3646, 25.5669

Background



This preview shows how black text looks on a background with the XYZ color 34.7116, 17.3646, 25.5669.



This preview shows how white text looks on a background with the XYZ color 34.7116, 17.3646,

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

34.7116, 17.3646, 25.5669

Protanopia

19.8911, 18.1777, 55.8864

Deuteranopia

18.2258, 17.8782, 22.9123



Tritanopia

30.6953, 17.7696, 5.5534

Trichromacy



Original Color

34.7116, 17.3646, 25.5669



Protanomaly

20.0505, 12.9680, 42.5206



Deuteranomaly

21.0446, 13.9046, 23.4045



Tritanomaly

31.4942, 16.9340, 10.4128

Monochromacy



Original Color

34.7116, 17.3646, 25.5669



Achromatopsia

8.0200, 8.4376, 9.1886



Achromatomaly

13.2991, 8.4018, 13.4911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7116, 17.3646, 25.5669 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, 138)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 138)  
}
```

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, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 138) }
```

Border

The CSS property to change the border of an element to XYZ 34.7116, 17.3646, 25.5669 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, 138) }
```


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

```
.border{ border-color:rgb(222, 0, 138) }
```

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, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 138);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7116, 17.3646, 25.5669 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, 138) }
```

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

```
.background{ background-color: rgb(222, 0,  
138) }
```

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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