

Converting Colors

XYZ(44.4697, 25.4538, 40.4575)

Have a look what the booklet for
XYZ(44.4697, 25.4538, 40.4575)
contains.

XYZ(44.4340, 25.4133, 40.5935)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.4340, 25.4133,
40.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	ED47AA
RGB	237, 71, 170
RGB Percent	93%, 28%, 67%
CMY	0.0706, 0.7215, 0.3333
CMYK	0.00, 0.70, 0.28, 0.07
HSL	324°, 82%, 60%
HSV	324°, 70%, 93%
XYZ	44.4340, 25.4133, 40.5935
YIQ	131.9200, 67.1570, 65.9810

Conversions

Conversions Part 2

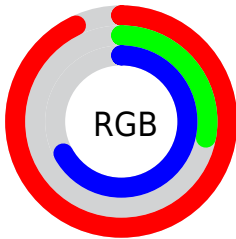
Format	Color
R _Y B	237, 71, 170
Decimal	15550378
CIE Lab	57.48, 71.35, -17.26
CIE LCh	57, 73.409, 346.400
Yxy	25.4133, 0.4023, 0.2301
Android (android.graphics.Color)	4293740458 (0xFFED47AA)
YUV	131.9200, 18.7734, 92.1552
Hunter-Lab	50.4116, 69.1139, -12.4546

Details

The XYZ color **44.4340, 25.4133, 40.5935** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **37.4717, 63.7438, 34.3774**, and the grayscale version is **21.8225, 22.9589, 25.0023**.

A 20% lighter version of the original color is **62.9469, 42.9288, 76.2026**, and **21.4015, 10.6551, 18.0682** is the 20% darker color. If you saturate the color by 10%, you get **42.3373, 22.6158, 35.5911**, and if you desaturate by 10%, it is **47.1854, 29.4145, 46.1395**.

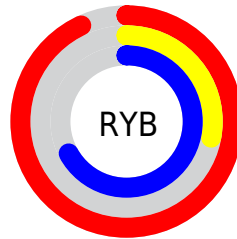
Distribution



Red (93%)

Green (28%)

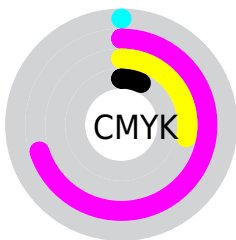
Blue (67%)



Red (93%)

Yellow (28%)

Blue (67%)

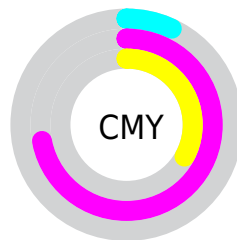


Cyan (0%)

Magenta (70%)

Yellow (28%)

Black (7%)



Cyan (7%)


Magenta (72%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4340, 25.4133, 40.5935 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 44.4340, 25.4133, 40.5935 by changing the saturation by 10% instead.


 44.4340, 25.4133,
40.5935


 44.4340, 25.4133,
40.5935


355.2988,
279.8900, 364.2450

 31.2112, 16.3852,
27.6843


 81.1127, 52.3269,
77.3134


 20.9124, 9.7972,
17.8508


 105.2994, 70.9813,
101.9611


 13.1720, 5.2647,
10.6746


 133.8714, 93.6132,
131.3588

 7.6249, 2.4034,
5.7371

 167.1940,
120.6071, 165.9249

 3.9057, 0.8276,
2.6197

 205.6328,
152.3473, 206.0781

 1.6489, 0.0000,
0.9026

249.5529,

 0.4240, 0.0000,

189.2183, 252.2368

0.0000

299.3198,
231.6044, 304.8196

■ 0.0000, 0.0000,
0.0000

■ 44.4340, 25.4133,
40.5935

■ 44.4340, 25.4133,
40.5935

■ 42.3373, 22.6158,
35.5911

■ 47.1854, 29.4145,
46.1395

■ 40.8190, 20.8720,
31.0993


■ 50.6517, 34.7382,
52.2553


■ 39.7581, 19.9377,
27.0843


■ 54.8884, 41.4929,
58.9658


■ 59.9447, 49.7752,
66.2939

■ 65.8656, 59.6728,
74.2607

 72.6924, 71.2670,
82.8858

 80.4642, 84.6333,
92.1881

 87.4012, 96.2110,
101.5801

 88.7352, 96.7446,
108.6045

Harmonies

Analogous

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



38.4738, 25.4133, 75.8664



44.4340, 25.4133, 40.5935



44.1159, 25.4133, 16.1903

Triad

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



44.4340, 25.4133, 40.5935



19.7160, 25.4133, 2.4237



14.3243, 25.4133, 79.1682

Complementary

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



44.4340, 25.4133, 40.5935



37.4717, 63.7438, 34.3774

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.



11.3589, 25.4133, 43.5952



44.4340, 25.4133, 40.5935



13.9187, 25.4133, 5.9883

Square

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



44.4340, 25.4133, 40.5935



28.3234, 25.4133, 2.3057



11.2310, 25.4133, 17.8307



20.4163, 25.4133, 105.7022

Rectangle

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



44.4340, 25.4133, 40.5935



40.3530, 25.4133, 7.8162



11.2310, 25.4133, 17.8307



13.0007, 25.4133, 67.1567

Sweetspot

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



44.4348, 25.4146, 40.5940



76.9948, 69.1486, 86.6686



27.9232, 15.9750, 81.7328



16.0493, 14.0774, 17.9808



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.



44.4348, 25.4146, 40.5940



49.1444, 25.6794, 39.6769



38.9243, 23.2105, 11.5764



15.4425, 15.2049, 17.6157



21.7730, 10.9119, 15.1380



1.7571, 0.8758, 1.4383

Inverse Universe

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



44.4348, 25.4146, 40.5940



49.1444, 25.6794, 39.6769



45.8550, 67.0971, 78.5234



15.4425, 15.2049, 17.6157



21.7730, 10.9119, 15.1380



1.7571, 0.8758, 1.4383

Previews

White Background



This preview shows how the XYZ color 44.4340, 25.4133, 40.5935 looks on a white background.

Color Contrast Check

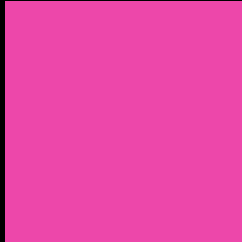
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.4340, 25.4133, 40.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

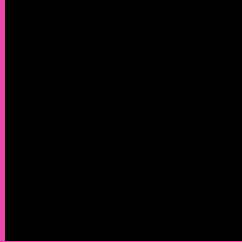
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.4340, 25.4133, 40.5935

Background



This preview shows how black text looks on a background with the XYZ color 44.4340, 25.4133, 40.5935.



This preview shows how white text looks on a background with the XYZ color 44.4340, 25.4133,

40.5935.

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

44.4340, 25.4133, 40.5935

Protanopia

27.5129, 25.8062, 69.1767

Deuteranopia

26.0815, 25.5639, 37.2779



Tritanopia

38.8538, 25.3342, 14.1514

Trichromacy



Original Color

44.4340, 25.4133, 40.5935



Protanomaly

29.7371, 22.7270, 57.4630



Deuteranomaly

30.3995, 23.4988, 38.0554



Tritanomaly

40.4127, 25.1195, 21.7874

Monochromacy



Original Color

44.4340, 25.4133, 40.5935



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

27.3418, 21.7732, 29.9557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4340, 25.4133, 40.5935 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(237, 71, 170)` looks like.

```
.text, #text, p{  
    color:rgb(237, 71, 170)  
}
```

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(237, 71, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 71, 170) }
```

Border

The CSS property to change the border of an element to XYZ 44.4340, 25.4133, 40.5935 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(237, 71, 170) }
```


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

```
.border{ border-color:rgb(237, 71, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 71, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 71, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 71, 170);  
box-shadow:4px 4px 4px 4px rgb(237, 71,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4340, 25.4133, 40.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 71, 170) }
```

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

```
.background{ background-color: rgb(237, 71,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor