

Converting Colors

XYZ(40.3867, 22.1540, 24.3378)

Have a look what the booklet for
XYZ(40.3867, 22.1540, 24.3378)
contains.

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Color

**XYZ(40.3867, 22.1540,
24.3378)**

Conversions

Conversions Part 1

Format	Color
Hex	ED3485
RGB	237, 52, 133
RGB Percent	93%, 20%, 52%
CMY	0.0706, 0.7960, 0.4784
CMYK	0.00, 0.78, 0.44, 0.07
HSL	334°, 84%, 57%
HSV	334°, 78%, 93%
XYZ	40.3867, 22.1540, 24.3378
YIQ	116.5490, 84.2590, 64.4110

Conversions

Conversions Part 2

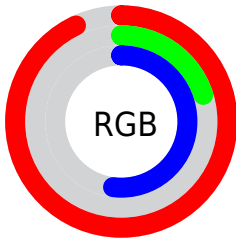
Format	Color
R_{YB}	237, 52, 133
Decimal	15545477
CIE _{Lab}	54.19, 73.35, -0.36
CIE _{LCh}	54, 73.356, 359.719
Yxy	22.1540, 0.4649, 0.2550
Android (android.graphics.Color)	4293735557 (0xFFED3485)
YUV	116.5490, 8.1103, 105.6355
Hunter-Lab	47.0680, 70.7928, 2.2901

Details

The XYZ color **40.3867, 22.1540, 24.3378** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **37.7030, 63.6995, 41.7669**, and the grayscale version is **16.7288, 17.6000, 19.1664**.

A 20% lighter version of the original color is **56.3483, 37.2960, 50.6833**, and **19.2794, 9.7541, 9.2541** is the 20% darker color. If you saturate the color by 10%, you get **38.7183, 20.1982, 19.5244**, and if you desaturate by 10%, it is **42.7034, 25.2196, 29.9438**.

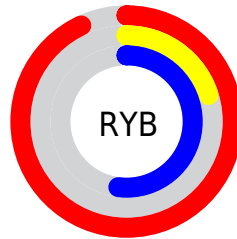
Distribution



Red (93%)

Green (20%)

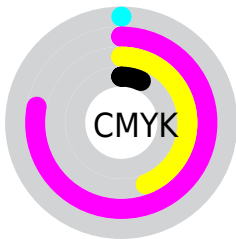
Blue (52%)



Red (93%)

Yellow (20%)

Blue (52%)

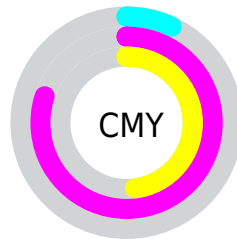


Cyan (0%)

Magenta (78%)

Yellow (44%)

Black (7%)



Cyan (7%)


Magenta (80%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3867, 22.1540, 24.3378 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 40.3867, 22.1540, 24.3378 by changing the saturation by 10% instead.


 40.3867, 22.1540,
24.3378


 40.3867, 22.1540,
24.3378


338.8573,
263.3494, 287.8652

 28.0257, 13.9701,
15.3699


 75.0326, 47.0004,
51.5316


 18.4856, 8.0999,
8.9299


 98.0483, 64.4317,
70.5946


 11.4010, 4.1589,
4.5993


 125.3462, 85.7142,
93.8596

 6.4065, 1.7629,
1.9595

 157.2917,
111.2324, 121.7453

 3.1368, 0.4639,
0.5302

 194.2503,
141.3706, 154.6702

 1.2265, 0.0000,
0.0000

236.5871,

 0.1271, 0.0000,

176.5133, 193.0528

0.0000

284.6677,
217.0447, 237.3116

■ 0.0000, 0.0000,
0.0000

■ 40.3867, 22.1540,
24.3378

■ 40.3867, 22.1540,
24.3378

■ 38.7183, 20.1982,
19.5244

■ 42.7034, 25.2196,
29.9438

■ 37.5949, 19.1526,
15.4471

■ 45.7407, 29.5327,
36.3864

■ 37.4114, 18.9990,
14.7276

■ 49.5624, 35.2150,
43.7064

■ 54.2245, 42.3722,
51.9410

■ 59.7775, 51.0997,
61.1246

66.2679, 61.4850,
71.2898

73.7388, 73.6088,
82.4674

82.2305, 87.5467,
94.6866

88.4016, 96.6112,
106.8490

Harmonies

Analogous

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



37.2461, 22.1540, 53.6901



40.3867, 22.1540, 24.3378



37.3562, 22.1540, 8.2561

Triad

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



40.3867, 22.1540, 24.3378



14.3398, 22.1540, 2.5619



14.2393, 22.1540, 85.2907

Complementary

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



40.3867, 22.1540, 24.3378



37.7030, 63.6995, 41.7669

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.



10.3593, 22.1540, 53.0571



40.3867, 22.1540, 24.3378



10.4062, 22.1540, 8.0750

Square

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



40.3867, 22.1540, 24.3378



21.1320, 22.1540, 1.4737



9.1539, 22.1540, 23.9074



20.9817, 22.1540, 99.9474

Rectangle

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



40.3867, 22.1540, 24.3378



32.5929, 22.1540, 3.7473



9.1539, 22.1540, 23.9074



12.6253, 22.1540, 75.4458

Sweetspot

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



40.3873, 22.1553, 24.3382



74.2474, 66.1733, 77.9855



29.7948, 15.4179, 81.5262



15.3134, 13.2408, 15.7773



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.



40.3873, 22.1553, 24.3382



44.8198, 22.9721, 19.9174



37.2280, 21.6183, 5.4612



15.3394, 15.1636, 17.0724



20.4887, 10.3982, 8.3746



1.6564, 0.8355, 0.9081

Inverse Universe

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



40.3873, 22.1553, 24.3382



44.8198, 22.9721, 19.9174



44.3778, 62.1945, 89.7864



15.3394, 15.1636, 17.0724



20.4887, 10.3982, 8.3746



1.6564, 0.8355, 0.9081

Previews

White Background



This preview shows how the XYZ color 40.3867, 22.1540, 24.3378 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 40.3867, 22.1540, 24.3378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

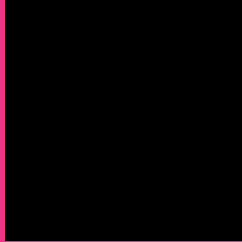
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.3867, 22.1540, 24.3378

Background



This preview shows how black text looks on a background with the XYZ color 40.3867, 22.1540, 24.3378.



This preview shows how white text looks on a background with the XYZ color 40.3867, 22.1540,

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

40.3867, 22.1540, 24.3378

Protanopia

22.9261, 22.3379, 45.7511

Deuteranopia

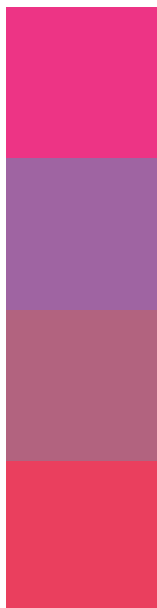
22.7760, 22.3967, 22.1914



Tritanopia

36.9021, 22.0478, 8.4416

Trichromacy



Original Color

40.3867, 22.1540, 24.3378

Protanomaly

25.3768, 19.0939, 36.5304

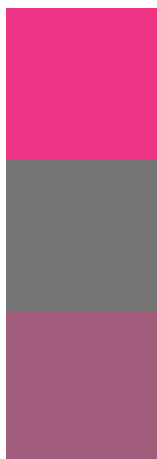
Deuteranomaly

26.6527, 19.9210, 22.5191

Tritanomaly

37.7296, 21.8556, 12.8197

Monochromacy



Original Color

40.3867, 22.1540, 24.3378

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

22.1874, 16.8358, 20.8191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3867, 22.1540, 24.3378 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, 52, 133)` looks like.

```
.text, #text, p{  
    color:rgb(237, 52, 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(237, 52, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 52, 133) }
```

Border

The CSS property to change the border of an element to XYZ 40.3867, 22.1540, 24.3378 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, 52, 133) }
```


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

```
.border{ border-color:rgb(237, 52, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 52, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 52, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 52, 133); box-shadow:4px 4px 4px 4px rgb(237, 52, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3867, 22.1540, 24.3378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 52, 133) }
```

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

```
.background{ background-color: rgb(237, 52,  
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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