

Converting Colors

XYZ(44.4198, 27.6138, 35.3366)

Have a look what the booklet for
XYZ(44.4198, 27.6138, 35.3366)
contains.

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Color

**XYZ(44.4198, 27.6138,
35.3366)**

Conversions

Conversions Part 1

Format	Color
Hex	EC5A9E
RGB	236, 90, 158
RGB Percent	93%, 35%, 62%
CMY	0.0745, 0.6470, 0.3804
CMYK	0.00, 0.62, 0.33, 0.07
HSL	332°, 79%, 64%
HSV	332°, 62%, 93%
XYZ	44.4198, 27.6138, 35.3366
YIQ	141.4060, 65.1880, 52.1000

Conversions

Conversions Part 2

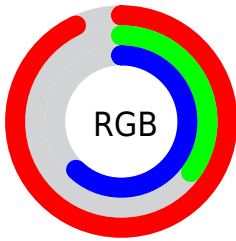
Format	Color
R _Y B	236, 90, 158
Decimal	15489694
CIE Lab	59.54, 62.42, -7.20
CIE LCh	60, 62.834, 353.417
Yxy	27.6138, 0.4137, 0.2572
Android (android.graphics.Color)	4293679774 (0xFFEC5A9E)
YUV	141.4060, 8.1808, 82.9589
Hunter-Lab	52.5488, 58.9265, -3.0855

Details

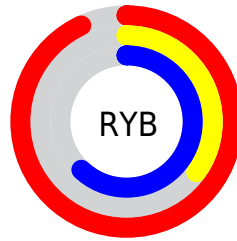
The XYZ color **44.4198, 27.6138, 35.3366** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **41.2813, 64.9925, 47.4186**, and the grayscale version is **25.4289, 26.7532, 29.1342**.

A 20% lighter version of the original color is **63.6840, 46.9315, 68.6530**, and **20.9060, 10.9869, 14.9287** is the 20% darker color. If you saturate the color by 10%, you get **41.7054, 23.8336, 29.3490**, and if you desaturate by 10%, it is **47.8788, 32.7047, 42.1224**.

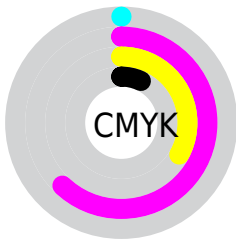
Distribution



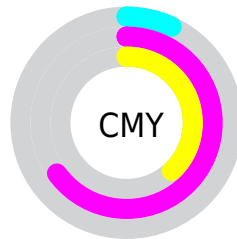
- Red (93%)
- Green (35%)
- Blue (62%)



- Red (93%)
- Yellow (35%)
- Blue (62%)



- Cyan (0%)
- Magenta (62%)
- Yellow (33%)
- Black (7%)




- Cyan (7%)
- Magenta (65%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.4198, 27.6138, 35.3366 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 44.4198, 27.6138, 35.3366 by changing the saturation by 10% instead.


 44.4198, 27.6138,
35.3366


 44.4198, 27.6138,
35.3366


355.2420,
290.6169, 341.0009

 31.2000, 18.0347,
23.6367


 81.0915, 55.8673,
69.1644


 20.9038, 10.9749,
14.8546


 105.2741, 75.3105,
92.1293

 13.1657, 6.0500,
8.5719


 133.8417, 98.8105,
119.6862

 7.6206, 2.8755,
4.3701

 167.1597,
126.7517, 152.2538

 3.9029, 1.0671,
1.8305

205.5933,
159.5186, 190.2505

 1.6473, 0.0000,
0.4479

249.5080,

 0.4230, 0.0000,

197.4955, 234.0949

0.0000

299.2691,
241.0668, 284.2055

■ 0.0000, 0.0000,
0.0000

■ 44.4198, 27.6138,
35.3366

■ 44.4198, 27.6138,
35.3366

■ 41.7054, 23.8336,
29.3490

■ 47.8788, 32.7047,
42.1224

■ 39.6677, 21.2342,
24.1197

■ 52.1374, 39.2115,
49.7396


■ 38.2293, 19.6660,
19.6058


■ 57.2476, 47.2333,
58.2211


■ 37.4018, 18.9568,
16.4144

■ 63.2564, 56.8593,
67.5971

■ 70.2071, 68.1715,
77.8960

 78.1401, 81.2464,
89.1450

 87.0270, 96.0229,
101.3476

 88.4021, 96.5729,
108.5889

Harmonies

Analogous

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



40.4362, 27.6138, 64.1749



44.4198, 27.6138, 35.3366



42.8047, 27.6138, 15.8760

Triad

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



44.4198, 27.6138, 35.3366



20.6585, 27.6138, 5.2037



18.1917, 27.6138, 80.2973

Complementary

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



44.4198, 27.6138, 35.3366



41.2813, 64.9925, 47.4186

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.



14.6260, 27.6138, 50.8897



44.4198, 27.6138, 35.3366



15.8376, 27.6138, 10.8736

Square

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



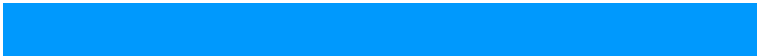
44.4198, 27.6138, 35.3366



28.0269, 27.6138, 4.2453



13.8601, 27.6138, 25.3487



24.5424, 27.6138, 97.3270

Rectangle

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



44.4198, 27.6138, 35.3366



38.9028, 27.6138, 8.9785



13.8601, 27.6138, 25.3487



16.6837, 27.6138, 70.9909

Sweetspot

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



44.4206, 27.6152, 35.3371



77.6028, 71.3314, 83.8908



34.9181, 21.6805, 81.7014



16.1264, 14.4848, 17.2263



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.



44.4206, 27.6152, 35.3371



49.0538, 27.5308, 33.3803



40.5189, 26.7331, 12.6991



15.3574, 15.1708, 17.1673



20.6806, 10.4749, 9.3852



1.6721, 0.8418, 0.9907

Inverse Universe

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



44.4206, 27.6152, 35.3371



49.0538, 27.5308, 33.3803



47.9710, 65.4569, 89.4631



15.3574, 15.1708, 17.1673



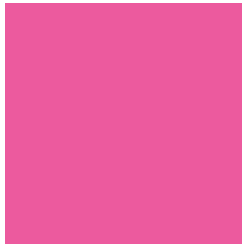
20.6806, 10.4749, 9.3852



1.6721, 0.8418, 0.9907

Previews

White Background



This preview shows how the XYZ color 44.4198, 27.6138, 35.3366 looks on a white background.

Color Contrast Check

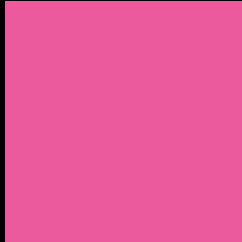
Large Text (above 18pt) WCAG AA ✓ Pass

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 44.4198, 27.6138, 35.3366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

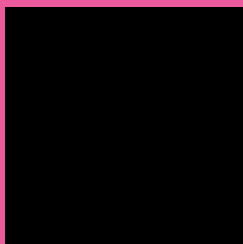
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 44.4198, 27.6138, 35.3366

Background



This preview shows how black text looks on a background with the XYZ color 44.4198, 27.6138, 35.3366.



This preview shows how white text looks on a background with the XYZ color 44.4198, 27.6138,

35.3366.

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

44.4198, 27.6138, 35.3366

Protanopia

28.5046, 27.9421, 54.3431

Deuteranopia

28.3361, 27.6682, 33.1252



Tritanopia

40.6392, 27.5459, 17.3623

Trichromacy



Original Color

44.4198, 27.6138, 35.3366

Protanomaly

31.6834, 25.8962, 46.5086

Deuteranomaly

32.4373, 26.1982, 33.9190

Tritanomaly

41.6449, 27.3794, 22.8285

Monochromacy



Original Color

44.4198, 27.6138, 35.3366

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

30.1305, 25.2558, 30.8906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.4198, 27.6138, 35.3366 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(236, 90, 158)` looks like.

```
.text, #text, p{  
    color:rgb(236, 90, 158)  
}
```

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(236, 90, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 90, 158) }
```

Border

The CSS property to change the border of an element to XYZ 44.4198, 27.6138, 35.3366 is called "border". The border property can be set on classes, ids or directly on the HTML element.

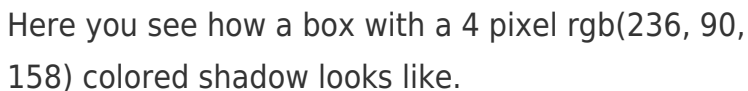
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(236, 90, 158) }
```


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

```
.border{ border-color:rgb(236, 90, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(236, 90, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 90, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 90, 158); box-shadow:4px 4px 4px 4px rgb(236, 90, 158) }
```

Background

The CSS property to change the background color of an element to XYZ 44.4198, 27.6138, 35.3366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 90, 158) }
```

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

```
.background{ background-color: rgb(236, 90,  
158) }
```

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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