

Converting Colors

$Y_{xy}(25.4708, 0.4638, 0.2811)$

Have a look what the booklet for
Yxy(25.4708, 0.4638, 0.2811)
contains.

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Color

Yxy(25.4730, 0.4637, 0.2811)

Conversions

Conversions Part 1

Format	Color
Hex	EE5080
RGB	238, 80, 128
RGB Percent	93%, 31%, 50%
CMY	0.0667, 0.6861, 0.4980
CMYK	0.00, 0.66, 0.46, 0.07
HSL	342°, 82%, 62%
HSV	342°, 66%, 93%
XYZ	42.0200, 25.4730, 23.1260
YIQ	132.7140, 78.7600, 48.4240

Conversions

Conversions Part 2

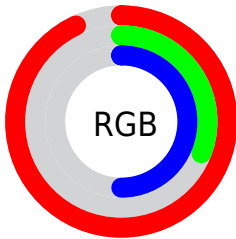
Format	Color
R _Y B	238, 80, 128
Decimal	15618176
CIE _{Lab}	57.53, 63.94, 7.45
CIE _{LCh}	58, 64.377, 6.649
Yxy	25.4730, 0.4637, 0.2811
Android (android.graphics.Color)	4293808256 (0xFFEE5080)
YUV	132.7140, -2.3240, 92.3358
Hunter-Lab	50.4708, 60.2883, 8.1626

Details

The Yxy color **25.4730, 0.4637, 0.2811** 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 **66.5619, 0.2554, 0.3938**, and the grayscale version is **23.3381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7732, 0.3903, 0.2845**, and **9.9116, 0.5179, 0.2627** is the 20% darker color. If you saturate the color by 10%, you get **22.1821, 0.5002, 0.2804**, and if you desaturate by 10%, it is **30.0715, 0.4296, 0.2854**.

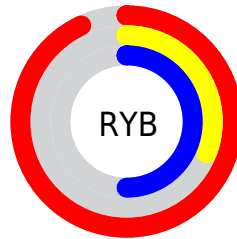
Distribution



Red (93%)

Green (31%)

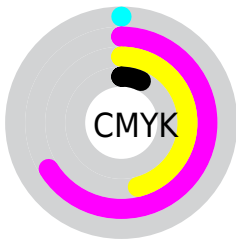
Blue (50%)



Red (93%)

Yellow (31%)

Blue (50%)

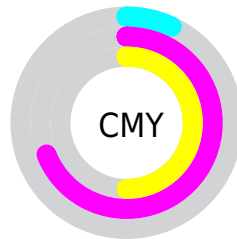


Cyan (0%)

Magenta (66%)

Yellow (46%)

Black (7%)



Cyan (7%)


Magenta (69%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4730, 0.4637, 0.2811 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 Yxy color 25.4730, 0.4637, 0.2811 by changing the saturation by 10% instead.


 25.4730, 0.4637,
0.2811


 25.4730, 0.4637,
0.2811


280.1854, 0.3809,
0.3088

 16.4298, 0.4867,
0.2728


 52.4235, 0.4319,
0.2921

 9.8288, 0.5175,
0.2614


 71.0997, 0.4204,
0.2960

 5.2856, 0.5606,
0.2447

 93.7556, 0.4110,
0.2991

 2.4158, 0.6239,
0.2187

 120.7756, 0.4030,
0.3017

 0.8340, 0.7380,
0.1790

152.5442, 0.3962,
0.3039

 0.0000, 1.0000,
0.0000

189.4458, 0.3904,

 0.0000, 0.0000,

0.3058

0.0000

231.8647, 0.3853,
0.3074

■ 25.4730, 0.4637,
0.2811

■ 25.4730, 0.4637,
0.2811

■ 22.1821, 0.5002,
0.2804

■ 30.0715, 0.4296,
0.2854

■ 20.0541, 0.5362,
0.2842

■ 36.0936, 0.3994,
0.2920


■ 18.9154, 0.5684,
0.2927


■ 43.6474, 0.3737,
0.2998


■ 18.6451, 0.5789,
0.2963

■ 52.8290, 0.3523,
0.3081

■ 63.7268, 0.3347,
0.3164

 76.4227, 0.3204,
0.3242

 90.9934, 0.3088,
0.3316

 96.9136, 0.3023,
0.3290

Harmonies

Analogous

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



25.4730, 0.3548, 0.2235



25.4730, 0.4637, 0.2811



25.4730, 0.5221, 0.3492

Triad

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



25.4730, 0.4637, 0.2811



25.4730, 0.3446, 0.5343



25.4730, 0.1429, 0.1934

Complementary

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



25.4730, 0.4637, 0.2811



66.5619, 0.2554, 0.3938

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.



25.4730, 0.1405, 0.2521



25.4730, 0.4637, 0.2811



25.4730, 0.2476, 0.4839

Square

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



25.4730, 0.4637, 0.2811



25.4730, 0.4386, 0.4957



25.4730, 0.1742, 0.3603



25.4730, 0.1780, 0.1746

Rectangle

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



25.4730, 0.4637, 0.2811



25.4730, 0.5195, 0.3978



25.4730, 0.1742, 0.3603



25.4730, 0.1385, 0.2078

Sweetspot

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



25.4744, 0.4637, 0.2811



69.5861, 0.3408, 0.3134



22.6007, 0.2695, 0.1561



14.1261, 0.3458, 0.3110



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.4744, 0.4637, 0.2811



24.8190, 0.5146, 0.2813



29.6884, 0.5083, 0.3579



15.8379, 0.3245, 0.3219



10.4242, 0.5748, 0.2940



0.8842, 0.5375, 0.2735

Inverse Universe

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



25.4744, 0.4637, 0.2811



24.8190, 0.5146, 0.2813



53.4907, 0.2257, 0.2906



15.8379, 0.3245, 0.3219



10.4242, 0.5748, 0.2940



0.8842, 0.5375, 0.2735

Previews

White Background



This preview shows how the Yxy color 25.4730, 0.4637, 0.2811 looks on a white background.

Color Contrast Check

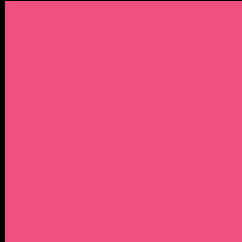
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 25.4730, 0.4637, 0.2811 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](#).

Yxy 25.4730, 0.4637, 0.2811

Background



This preview shows how black text looks on a background with the Yxy color 25.4730, 0.4637, 0.2811.



This preview shows how white text looks on a background with the Yxy color 25.4730, 0.4637, 0.2811.

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

25.4730, 0.4637, 0.2811

Protanopia

25.4977, 0.2872, 0.2915

Deuteranopia

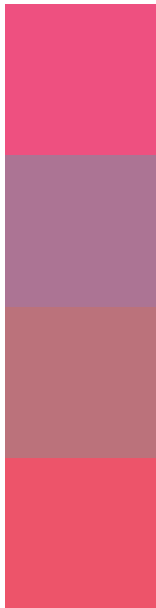
25.4002, 0.3565, 0.3499



Tritanopia

25.4396, 0.5088, 0.3238

Trichromacy



Original Color

25.4730, 0.4637, 0.2811

Protanomaly

23.3996, 0.3445, 0.2818

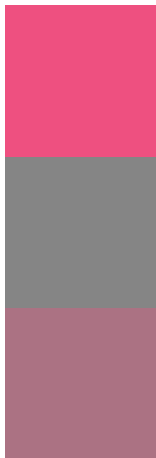
Deuteranomaly

24.0295, 0.3964, 0.3166

Tritanomaly

25.3858, 0.4935, 0.3078

Monochromacy



Original Color

25.4730, 0.4637, 0.2811

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.3312, 0.3656, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4730, 0.4637, 0.2811 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(238, 80, 128)` looks like.

```
.text, #text, p{  
    color:rgb(238, 80, 128)  
}
```

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(238, 80, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 80, 128) }
```

Border

The CSS property to change the border of an element to Yxy 25.4730, 0.4637, 0.2811 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(238, 80, 128) }
```

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

```
.border{ border-color:rgb(238, 80, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 80, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 80, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 80, 128);  
box-shadow:4px 4px 4px 4px rgb(238, 80,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4730, 0.4637, 0.2811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 80, 128) }
```

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

```
.background{ background-color: rgb(238, 80,  
128) }
```

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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