

Converting Colors

$Y_{xy}(40.3103, 0.3364, 0.2406)$

Have a look what the booklet for
Yxy(40.3103, 0.3364, 0.2406)
contains.

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Color

Yxy(40.2893, 0.3362, 0.2400)

Conversions

Conversions Part 1

Format	Color
Hex	EE86DA
RGB	238, 134, 218
RGB Percent	93%, 53%, 85%
CMY	0.0667, 0.4745, 0.1450
CMYK	0.00, 0.44, 0.08, 0.07
HSL	312°, 75%, 73%
HSV	312°, 44%, 93%
XYZ	56.4386, 40.2893, 71.1442
YIQ	174.6720, 35.0200, 48.1720

Conversions

Conversions Part 2

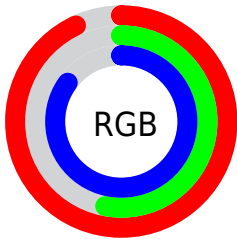
Format	Color
R _Y B	238, 134, 218
Decimal	15632090
CIE Lab	69.68, 50.97, -25.83
CIE LCh	70, 57.142, 333.122
Yxy	40.2893, 0.3362, 0.2400
Android (android.graphics.Color)	4293822170 (0xFFEE86DA)
YUV	174.6720, 21.3607, 55.5387
Hunter-Lab	63.4739, 47.6363, -22.0231

Details

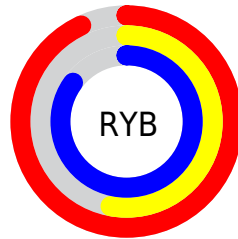
The Yxy color **40.2893, 0.3362, 0.2400** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **68.5438, 0.2961, 0.4390**, and the grayscale version is **42.5674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3069, 0.3157, 0.2653**, and **18.0850, 0.3408, 0.2178** is the 20% darker color. If you saturate the color by 10%, you get **34.1996, 0.3432, 0.2218**, and if you desaturate by 10%, it is **47.8694, 0.3297, 0.2600**.

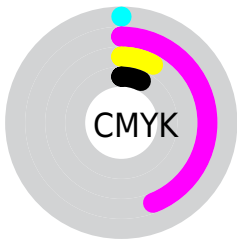
Distribution



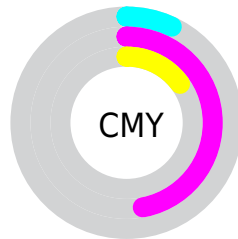
- Red (93%)
- Green (53%)
- Blue (85%)



- Red (93%)
- Yellow (53%)
- Blue (85%)



- Cyan (0%)
- Magenta (44%)
- Yellow (8%)
- Black (7%)




- Cyan (7%)
- Magenta (47%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2893, 0.3362, 0.2400 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 40.2893, 0.3362, 0.2400 by changing the saturation by 10% instead.


 40.2893, 0.3362,
0.2400


 40.2893, 0.3362,
0.2400


347.3414, 0.3258,
0.2819


 27.7642, 0.3384,
0.2303


 75.6038, 0.3327,
0.2546

 18.1480, 0.3411,
0.2184


 99.1621, 0.3313,
0.2603

 11.0563, 0.3443,
0.2033


 127.1668, 0.3301,
0.2652

 6.1047, 0.3482,
0.1836

160.0024, 0.3290,
0.2694

 2.9088, 0.3527,
0.1572

198.0532, 0.3280,
0.2731

 1.0843, 0.3574,
0.1207

241.7038, 0.3272,

 0.0000, 0.3865,

0.2764

0.0000

291.3384, 0.3264,
0.2793

0.0000, 0.2194,
0.0000

0.0000, 0.0000,
0.0000

40.2893, 0.3362,
0.2400

40.2893, 0.3362,
0.2400

34.1996, 0.3432,
0.2218

47.8694, 0.3297,
0.2600

29.4942, 0.3507,
0.2064


57.0256, 0.3239,
0.2807

26.0619, 0.3583,
0.1947

67.8436, 0.3187,
0.3015


23.7719, 0.3658,
0.1875


80.4013, 0.3142,
0.3218


 22.4649, 0.3730,
0.1850


 94.7718, 0.3104,
0.3411

 21.9934, 0.3774,
0.1853

 96.3148, 0.3077,
0.3384

 96.5981, 0.3051,
0.3339

 96.8883, 0.3026,
0.3294

 96.9151, 0.3023,
0.3290

Harmonies

Analogous

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



40.2893, 0.2558, 0.2110



40.2893, 0.3362, 0.2400



40.2893, 0.4198, 0.2870

Triad

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



40.2893, 0.3362, 0.2400



40.2893, 0.4254, 0.4591



40.2893, 0.1759, 0.2807

Complementary

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



40.2893, 0.3362, 0.2400



68.5438, 0.2961, 0.4390

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.



40.2893, 0.2102, 0.3658



40.2893, 0.3362, 0.2400



40.2893, 0.3530, 0.4841

Square

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



40.2893, 0.3362, 0.2400



40.2893, 0.4713, 0.4048



40.2893, 0.2742, 0.4504



40.2893, 0.1732, 0.2265

Rectangle

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



40.2893, 0.3362, 0.2400



40.2893, 0.4598, 0.3246



40.2893, 0.2742, 0.4504



40.2893, 0.1837, 0.3064

Sweetspot

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



40.2912, 0.3362, 0.2400



80.2396, 0.3184, 0.3028



30.0049, 0.2444, 0.1976



16.5315, 0.3195, 0.2983



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.



40.2912, 0.3362, 0.2400



40.9645, 0.3422, 0.2244



38.0159, 0.3905, 0.2925



15.9763, 0.3167, 0.3101



12.2899, 0.3763, 0.1847



1.0356, 0.3677, 0.1799

Inverse Universe

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



40.2912, 0.3362, 0.2400



40.9645, 0.3422, 0.2244



70.6222, 0.2696, 0.3702



15.9763, 0.3167, 0.3101



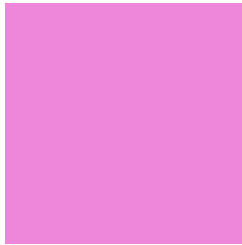
12.2899, 0.3763, 0.1847



1.0356, 0.3677, 0.1799

Previews

White Background



This preview shows how the Yxy color 40.2893, 0.3362, 0.2400 looks on a white background.

Color Contrast Check

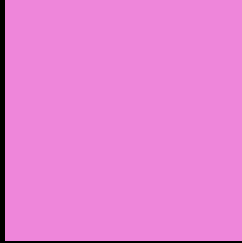
Large Text (above 18pt) WCAG AA × Fail

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 40.2893, 0.3362, 0.2400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

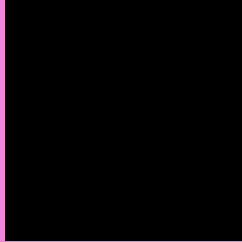
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2893, 0.3362, 0.2400

Background



This preview shows how black text looks on a background with the Yxy color 40.2893, 0.3362, 0.2400.



This preview shows how white text looks on a background with the Yxy color 40.2893, 0.3362, 0.2400.

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

40.2893, 0.3362, 0.2400

Protanopia

40.7400, 0.2430, 0.2337

Deuteranopia

40.4979, 0.2765, 0.2703



Tritanopia

40.3250, 0.3890, 0.3165

Trichromacy



Original Color

40.2893, 0.3362, 0.2400



Protanomaly

39.4784, 0.2705, 0.2336



Deuteranomaly

39.5042, 0.2962, 0.2566



Tritanomaly

40.1337, 0.3699, 0.2863

Monochromacy



Original Color

40.2893, 0.3362, 0.2400



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

40.9090, 0.3211, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2893, 0.3362, 0.2400 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, 134, 218)` looks like.

```
.text, #text, p{  
    color:rgb(238, 134, 218)  
}
```

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, 134, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 134, 218) }
```

Border

The CSS property to change the border of an element to Yxy 40.2893, 0.3362, 0.2400 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, 134, 218) }
```

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

```
.border{ border-color:rgb(238, 134, 218) }
```

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

Here you see how a box with a 4 pixel rgb(238, 134, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 134, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 134, 218);  
box-shadow:4px 4px 4px 4px rgb(238, 134,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2893, 0.3362, 0.2400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 134, 218) }
```

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

```
.background{ background-color: rgb(238,  
134, 218) }
```

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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