

Converting Colors

$Y_{xy}(37.5262, 0.3701, 0.2704)$

Have a look what the booklet for
Yxy(37.5262, 0.3701, 0.2704)
contains.

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Color

Yxy(37.5262, 0.3701, 0.2704)

Conversions

Conversions Part 1

Format	Color
Hex	EC83B8
RGB	236, 131, 184
RGB Percent	93%, 51%, 72%
CMY	0.0745, 0.4863, 0.2784
CMYK	0.00, 0.44, 0.22, 0.07
HSL	330°, 73%, 72%
HSV	330°, 44%, 93%
XYZ	51.3626, 37.5262, 49.8915
YIQ	168.4370, 45.5670, 38.7430

Conversions

Conversions Part 2

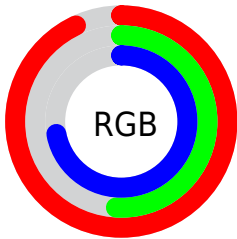
Format	Color
R _Y B	236, 131, 184
Decimal	15500216
CIE Lab	67.67, 46.61, -9.93
CIE LCh	68, 47.661, 347.974
Yxy	37.5262, 0.3701, 0.2704
Android (android.graphics.Color)	4293690296 (0xFFEC83B8)
YUV	168.4370, 7.6726, 59.2528
Hunter-Lab	61.2586, 42.4616, -5.4072

Details

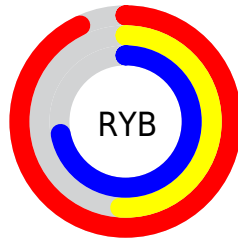
The Yxy color **37.5262, 0.3701, 0.2704** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.2381, 0.2792, 0.3977**, and the grayscale version is **39.3299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6691, 0.3272, 0.2751**, and **16.5524, 0.3870, 0.2544** is the 20% darker color. If you saturate the color by 10%, you get **31.4242, 0.3897, 0.2585**, and if you desaturate by 10%, it is **45.1160, 0.3531, 0.2836**.

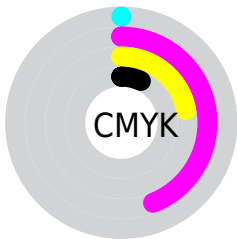
Distribution



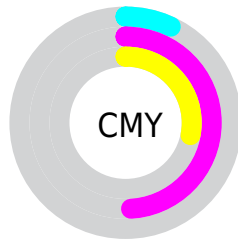
- Red (93%)
- Green (51%)
- Blue (72%)



- Red (93%)
- Yellow (51%)
- Blue (72%)



- Cyan (0%)
- Magenta (44%)
- Yellow (22%)
- Black (7%)





- Cyan (7%)
- Magenta (49%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5262, 0.3701, 0.2704 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 37.5262, 0.3701, 0.2704 by changing the saturation by 10% instead.


 37.5262, 0.3701,
0.2704

 37.5262, 0.3701,
0.2704


335.5831, 0.3411,
0.2994


 25.6152, 0.3774,
0.2633


 71.3813, 0.3595,
0.2809

 16.5360, 0.3869,
0.2542


 94.0942, 0.3555,
0.2848

 9.9042, 0.3995,
0.2423


 121.1766, 0.3522,
0.2882

 5.3355, 0.4172,
0.2260

153.0127, 0.3493,
0.2910

 2.4454, 0.4437,
0.2024

189.9870, 0.3469,
0.2935

 0.8491, 0.4873,
0.1657

232.4839, 0.3447,

 0.0000, 0.6838,

0.2957

0.0000

280.8878, 0.3428,
0.2977

■ 0.0000, 0.0000,
0.0000

■ 37.5262, 0.3701,
0.2704

■ 37.5262, 0.3701,
0.2704

■ 31.4242, 0.3897,
0.2585

■ 45.1160, 0.3531,
0.2836

■ 26.7041, 0.4117,
0.2490

■ 54.2790, 0.3387,
0.2972

■ 23.2551, 0.4355,
0.2432

■ 65.1005, 0.3267,
0.3106

■ 20.9462, 0.4602,
0.2423

■ 77.6583, 0.3166,
0.3235

■ 19.6174, 0.4843,
0.2469

■ 92.0249, 0.3084,
0.3356

■ 19.1694, 0.4971,
0.2512

■ 96.5177, 0.3016,
0.3298

■ 96.5738, 0.3011,
0.3290

Harmonies

Analogous

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



37.5262, 0.2968, 0.2358



37.5262, 0.3701, 0.2704



37.5262, 0.4312, 0.3180

Triad

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



37.5262, 0.3701, 0.2704



37.5262, 0.3830, 0.4566



37.5262, 0.1883, 0.2616

Complementary

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



37.5262, 0.3701, 0.2704



68.2381, 0.2792, 0.3977

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.



37.5262, 0.2054, 0.3234



37.5262, 0.3701, 0.2704



37.5262, 0.3152, 0.4522

Square

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



37.5262, 0.3701, 0.2704



37.5262, 0.4353, 0.4222



37.5262, 0.2503, 0.3989



37.5262, 0.1988, 0.2275

Rectangle

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



37.5262, 0.3701, 0.2704



37.5262, 0.4521, 0.3533



37.5262, 0.2503, 0.3989



37.5262, 0.1908, 0.2793

Sweetspot

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



37.5280, 0.3701, 0.2704



79.6305, 0.3251, 0.3125



32.2044, 0.2689, 0.2038



16.3805, 0.3275, 0.3096



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.



37.5280, 0.3701, 0.2704



38.2914, 0.3871, 0.2599



35.7533, 0.4297, 0.3274



15.1810, 0.3214, 0.3172



10.5922, 0.4936, 0.2493



0.8512, 0.4632, 0.2325

Inverse Universe

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



37.5280, 0.3701, 0.2704



38.2914, 0.3871, 0.2599



70.7747, 0.2537, 0.3309



15.1810, 0.3214, 0.3172



10.5922, 0.4936, 0.2493



0.8512, 0.4632, 0.2325

Previews

White Background



This preview shows how the Yxy color 37.5262, 0.3701, 0.2704 looks on a white background.

Color Contrast Check

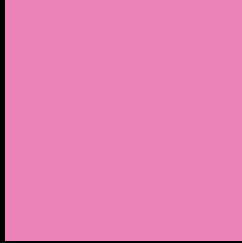
Large Text (above 18pt) WCAG AA × Fail

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 37.5262, 0.3701, 0.2704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

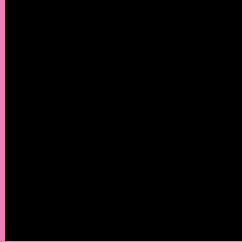
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5262, 0.3701, 0.2704

Background



This preview shows how black text looks on a background with the Yxy color 37.5262, 0.3701, 0.2704.



This preview shows how white text looks on a background with the Yxy color 37.5262, 0.3701, 0.2704.

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

37.5262, 0.3701, 0.2704

Protanopia

37.9757, 0.2717, 0.2720

Deuteranopia

37.8584, 0.3101, 0.3045



Tritanopia

37.4709, 0.4046, 0.3178

Trichromacy



Original Color

37.5262, 0.3701, 0.2704



Protanomaly

36.7240, 0.3023, 0.2695



Deuteranomaly

37.0192, 0.3304, 0.2894



Tritanomaly

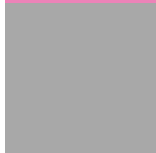
37.2248, 0.3919, 0.2996

Monochromacy



Original Color

37.5262, 0.3701, 0.2704



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.8361, 0.3325, 0.3043

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5262, 0.3701, 0.2704 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, 131, 184)` looks like.

```
.text, #text, p{  
    color:rgb(236, 131, 184)  
}
```

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, 131, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 131, 184) }
```

Border

The CSS property to change the border of an element to Yxy 37.5262, 0.3701, 0.2704 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, 131, 184) }
```

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

```
.border{ border-color:rgb(236, 131, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 131, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 131, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 131, 184); box-shadow:4px 4px 4px 4px rgb(236, 131, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5262, 0.3701, 0.2704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 131, 184) }
```

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

```
.background{ background-color: rgb(236,  
131, 184) }
```

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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