

Converting Colors

$Y_{xy}(37.7637, 0.3502, 0.2455)$

Have a look what the booklet for
Yxy(37.7637, 0.3502, 0.2455)
contains.

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Color

Yxy(37.7637, 0.3502, 0.2455)

Conversions

Conversions Part 1

Format	Color
Hex	EE7FCD
RGB	238, 127, 205
RGB Percent	93%, 50%, 80%
CMY	0.0666, 0.5019, 0.1962
CMYK	0.00, 0.47, 0.14, 0.07
HSL	318°, 77%, 72%
HSV	318°, 47%, 93%
XYZ	53.8690, 37.7637, 62.1909
YIQ	169.0810, 41.1180, 47.7900

Conversions

Conversions Part 2

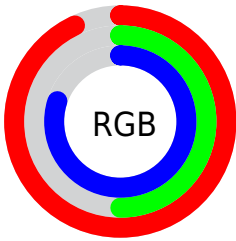
Format	Color
R _Y B	238, 127, 205
Decimal	15630285
CIE Lab	67.85, 52.38, -21.38
CIE LCh	68, 56.570, 337.796
Yxy	37.7637, 0.3502, 0.2455
Android (android.graphics.Color)	4293820365 (0xFFEE7FCD)
YUV	169.0810, 17.7081, 60.4420
Hunter-Lab	61.4522, 48.9320, -16.9862

Details

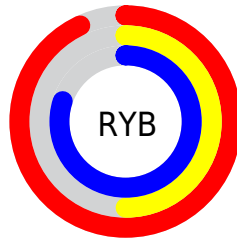
The Yxy color **37.7637, 0.3502, 0.2455** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.2080, 0.2893, 0.4319**, and the grayscale version is **39.6147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9359, 0.3161, 0.2575**, and **16.7028, 0.3592, 0.2239** is the 20% darker color. If you saturate the color by 10%, you get **31.9922, 0.3615, 0.2298**, and if you desaturate by 10%, it is **45.0061, 0.3400, 0.2630**.

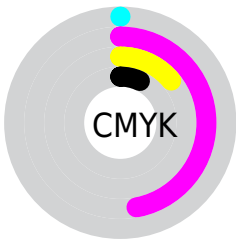
Distribution



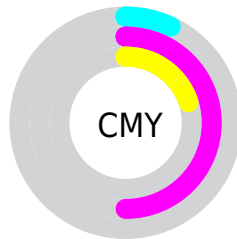
- Red (93%)
- Green (50%)
- Blue (80%)



- Red (93%)
- Yellow (50%)
- Blue (80%)



- Cyan (0%)
- Magenta (47%)
- Yellow (14%)
- Black (7%)




- Cyan (7%)
- Magenta (50%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7637, 0.3502, 0.2455 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 37.7637, 0.3502, 0.2455 by changing the saturation by 10% instead.

 37.7637, 0.3502,
0.2455


 37.7637, 0.3502,
0.2455


336.6052, 0.3323,
0.2855


 25.7993, 0.3544,
0.2361

 71.7458, 0.3439,
0.2596

 16.6736, 0.3596,
0.2243


 94.5323, 0.3415,
0.2650

 10.0020, 0.3663,
0.2093


 121.6951, 0.3394,
0.2697

 5.4003, 0.3751,
0.1895

153.6184, 0.3376,
0.2737

 2.4840, 0.3871,
0.1623

190.6866, 0.3360,
0.2772

 0.8686, 0.4040,
0.1235

233.2843, 0.3346,


 0.0000, 0.4590,

0.2803


0.0000


281.7957, 0.3334,
0.2830


 0.0000, 0.0000,
0.0000


 37.7637, 0.3502,
0.2455


 37.7637, 0.3502,
0.2455


 31.9922, 0.3615,
0.2298


 45.0061, 0.3400,
0.2630


 27.5824, 0.3736,
0.2171


 53.8080, 0.3310,
0.2813


 24.4181, 0.3863,
0.2083

 64.2572, 0.3232,
0.2997

 22.3615, 0.3990,
0.2043

 76.4335, 0.3166,
0.3176


 21.2384, 0.4114,
0.2053

 90.4113, 0.3109,
0.3346

 20.9758, 0.4155,
0.2063

 96.4441, 0.3065,
0.3364

 96.8909, 0.3026,
0.3294

 96.9193, 0.3023,
0.3290

Harmonies

Analogous

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



37.7637, 0.2665, 0.2130



37.7637, 0.3502, 0.2455



37.7637, 0.4322, 0.2950

Triad

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



37.7637, 0.3502, 0.2455



37.7637, 0.4162, 0.4670



37.7637, 0.1722, 0.2692

Complementary

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



37.7637, 0.3502, 0.2455



68.2080, 0.2893, 0.4319

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.



37.7637, 0.2015, 0.3515



37.7637, 0.3502, 0.2455



37.7637, 0.3407, 0.4851

Square

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



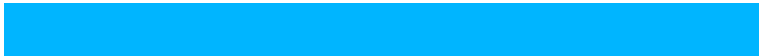
37.7637, 0.3502, 0.2455



37.7637, 0.4683, 0.4146



37.7637, 0.2620, 0.4409



37.7637, 0.1742, 0.2201

Rectangle

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



37.7637, 0.3502, 0.2455



37.7637, 0.4679, 0.3336



37.7637, 0.2620, 0.4409



37.7637, 0.1783, 0.2934

Sweetspot

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



37.7655, 0.3502, 0.2455



78.6342, 0.3214, 0.3044



28.6689, 0.2475, 0.1907



16.2042, 0.3229, 0.3004



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.



37.7655, 0.3502, 0.2455



37.6713, 0.3610, 0.2305



35.5951, 0.4117, 0.3025



15.9466, 0.3183, 0.3126



11.7249, 0.4137, 0.2052



0.9928, 0.3985, 0.1969

Inverse Universe

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



37.7655, 0.3502, 0.2455



37.6713, 0.3610, 0.2305



70.5215, 0.2619, 0.3589



15.9466, 0.3183, 0.3126



11.7249, 0.4137, 0.2052



0.9928, 0.3985, 0.1969

Previews

White Background



This preview shows how the Yxy color 37.7637, 0.3502, 0.2455 looks on a white background.

Color Contrast Check

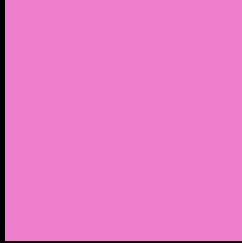
Large Text (above 18pt) WCAG AA × Fail

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 37.7637, 0.3502, 0.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

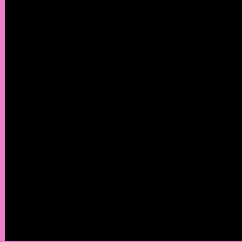
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7637, 0.3502, 0.2455

Background



This preview shows how black text looks on a background with the Yxy color 37.7637, 0.3502, 0.2455.



This preview shows how white text looks on a background with the Yxy color 37.7637, 0.3502, 0.2455.

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

37.7637, 0.3502, 0.2455

Protanopia

38.0403, 0.2474, 0.2393

Deuteranopia

37.9635, 0.2848, 0.2791



Tritanopia

37.7910, 0.4031, 0.3178

Trichromacy



Original Color

37.7637, 0.3502, 0.2455



Protanomaly

36.6703, 0.2784, 0.2392



Deuteranomaly

36.9184, 0.3072, 0.2636



Tritanomaly

37.6849, 0.3838, 0.2907

Monochromacy



Original Color

37.7637, 0.3502, 0.2455



Achromatopsia

39.6755, 0.3127, 0.3290



Achromatomaly

37.9579, 0.3261, 0.2930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7637, 0.3502, 0.2455 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, 127, 205)` looks like.

```
.text, #text, p{  
    color:rgb(238, 127, 205)  
}
```

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, 127, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 127, 205) }
```

Border

The CSS property to change the border of an element to Yxy 37.7637, 0.3502, 0.2455 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, 127, 205) }
```

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

```
.border{ border-color:rgb(238, 127, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 127, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 127, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 127, 205);  
box-shadow:4px 4px 4px 4px rgb(238, 127,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7637, 0.3502, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 127, 205) }
```

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

```
.background{ background-color: rgb(238,  
127, 205) }
```

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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