

Converting Colors

$Y_{xy}(37.6098, 0.4101, 0.3128)$

Have a look what the booklet for
Yxy(37.6098, 0.4101, 0.3128)
contains.

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Color

Yxy(37.7071, 0.4096, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	EE8796
RGB	238, 135, 150
RGB Percent	93%, 53%, 59%
CMY	0.0668, 0.4705, 0.4117
CMYK	0.00, 0.43, 0.37, 0.07
HSL	351°, 75%, 73%
HSV	351°, 43%, 93%
XYZ	49.4235, 37.7071, 33.5322
YIQ	167.5070, 56.5730, 26.5010

Conversions

Conversions Part 2

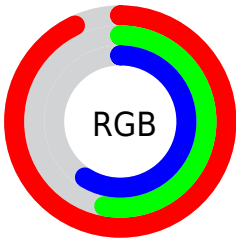
Format	Color
R _Y B	238, 135, 150
Decimal	15632278
CIE Lab	67.80, 40.84, 9.43
CIE LCh	68, 41.919, 12.999
Yxy	37.7071, 0.4096, 0.3125
Android (android.graphics.Color)	4293822358 (0xFFEE8796)
YUV	167.5070, -8.6310, 61.8224
Hunter-Lab	61.4061, 36.2072, 10.6077

Details

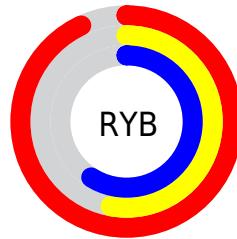
The Yxy color **37.7071, 0.4096, 0.3125** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **71.6141, 0.2612, 0.3472**, and the grayscale version is **38.9285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4465, 0.3555, 0.3147**, and **16.6711, 0.4403, 0.3066** is the 20% darker color. If you saturate the color by 10%, you get **31.1936, 0.4460, 0.3094**, and if you desaturate by 10%, it is **45.8220, 0.3790, 0.3163**.

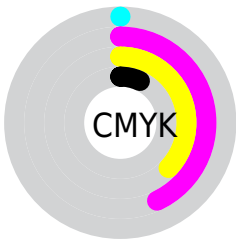
Distribution



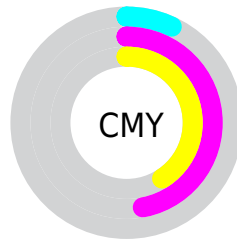
- Red (93%)
- Green (53%)
- Blue (59%)



- Red (93%)
- Yellow (53%)
- Blue (59%)



- Cyan (0%)
- Magenta (43%)
- Yellow (37%)
- Black (7%)





- Cyan (7%)
- Magenta (47%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7071, 0.4096, 0.3125 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 37.7071, 0.4096, 0.3125 by changing the saturation by 10% instead.


 37.7071, 0.4096,
0.3125


 37.7071, 0.4096,
0.3125

336.3618, 0.3591,
0.3222


 25.7554, 0.4228,
0.3096


 71.6590, 0.3908,
0.3164

 16.6408, 0.4401,
0.3056


 94.4280, 0.3839,
0.3177

 9.9787, 0.4636,
0.2998


 121.5716, 0.3781,
0.3188

 5.3848, 0.4972,
0.2907

153.4741, 0.3731,
0.3197

 2.4748, 0.5486,
0.2750

190.5200, 0.3689,
0.3205

 0.8640, 0.6621,
0.2549


233.0937, 0.3652,


 0.0000, 1.0000,


0.3211


0.0000


281.5795, 0.3620,
0.3217


 0.0000, 0.0000,
0.0000


 37.7071, 0.4096,
0.3125


 37.7071, 0.4096,
0.3125


 31.1936, 0.4460,
0.3094


 45.8220, 0.3790,
0.3163

 26.1700, 0.4875,
0.3076


 55.6289, 0.3539,
0.3203


 22.5194, 0.5314,
0.3079

 67.2183, 0.3336,
0.3242

 20.1048, 0.5731,
0.3108

 80.6727, 0.3173,
0.3279

 18.7607, 0.6067,
0.3164

 96.0694, 0.3042,
0.3313

■ 18.2922, 0.6230,
0.3206

■ 96.9129, 0.3023,
0.3290

Harmonies

Analogous

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



37.7071, 0.3529, 0.2708



37.7071, 0.4096, 0.3125



37.7071, 0.4372, 0.3603

Triad

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



37.7071, 0.4096, 0.3125



37.7071, 0.3263, 0.4396



37.7071, 0.2077, 0.2423

Complementary

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



37.7071, 0.4096, 0.3125



71.6141, 0.2612, 0.3472

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.



37.7071, 0.2023, 0.2778



37.7071, 0.4096, 0.3125



37.7071, 0.2669, 0.3996

Square

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



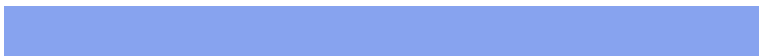
37.7071, 0.4096, 0.3125



37.7071, 0.3851, 0.4386



37.7071, 0.2226, 0.3356



37.7071, 0.2374, 0.2312

Rectangle

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



37.7071, 0.4096, 0.3125



37.7071, 0.4344, 0.3917



37.7071, 0.2226, 0.3356



37.7071, 0.2031, 0.2514

Sweetspot

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



37.7090, 0.4096, 0.3125



78.9511, 0.3332, 0.3242



39.1191, 0.3037, 0.2185



16.2141, 0.3373, 0.3234



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.



37.7090, 0.4096, 0.3125



37.2217, 0.4419, 0.3097



49.0692, 0.4081, 0.3695



15.7963, 0.3270, 0.3256



10.2189, 0.6202, 0.3190



0.8615, 0.5889, 0.3018

Inverse Universe

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



37.7090, 0.4096, 0.3125



37.2217, 0.4419, 0.3097



53.5377, 0.2464, 0.2835



15.7963, 0.3270, 0.3256



10.2189, 0.6202, 0.3190



0.8615, 0.5889, 0.3018

Previews

White Background



This preview shows how the Yxy color 37.7071, 0.4096, 0.3125 looks on a white background.

Color Contrast Check

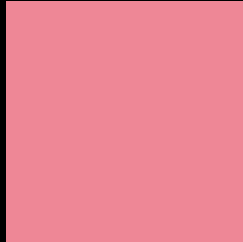
Large Text (above 18pt) WCAG AA × Fail

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 37.7071, 0.4096, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

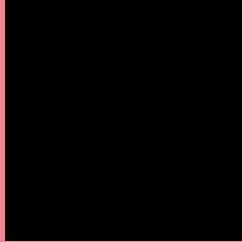
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7071, 0.4096, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 37.7071, 0.4096, 0.3125.



This preview shows how white text looks on a background with the Yxy color 37.7071, 0.4096, 0.3125.

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

37.7071, 0.4096, 0.3125

Protanopia

37.9883, 0.3146, 0.3276

Deuteranopia

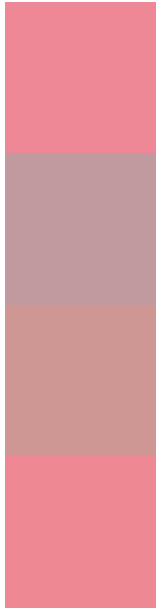
38.0358, 0.3546, 0.3481



Tritanopia

37.8608, 0.4138, 0.3181

Trichromacy



Original Color

37.7071, 0.4096, 0.3125

Protanomaly

36.9867, 0.3464, 0.3211

Deuteranomaly

37.5052, 0.3749, 0.3343

Tritanomaly

37.8920, 0.4127, 0.3170

Monochromacy



Original Color

37.7071, 0.4096, 0.3125

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.6876, 0.3449, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7071, 0.4096, 0.3125 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, 135, 150)` looks like.

```
.text, #text, p{  
    color:rgb(238, 135, 150)  
}
```

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, 135, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 135, 150) }
```

Border

The CSS property to change the border of an element to Yxy 37.7071, 0.4096, 0.3125 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, 135, 150) }
```

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

```
.border{ border-color:rgb(238, 135, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 135, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 135, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 135, 150);  
box-shadow:4px 4px 4px 4px rgb(238, 135,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7071, 0.4096, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 135, 150) }
```

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

```
.background{ background-color: rgb(238,  
135, 150) }
```

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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