

Converting Colors

$Y_{xy}(30.3906, 0.4771, 0.3365)$

Have a look what the booklet for
Yxy(30.3906, 0.4771, 0.3365)
contains.

Yxy(30.3933, 0.4769, 0.3358)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.3933, 0.4769, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	ED6F69
RGB	237, 111, 105
RGB Percent	93%, 44%, 41%
CMY	0.0705, 0.5647, 0.5883
CMYK	0.00, 0.53, 0.56, 0.07
HSL	3°, 79%, 67%
HSV	3°, 56%, 93%
XYZ	43.1643, 30.3933, 16.9525
YIQ	147.9900, 77.0220, 24.8460

Conversions

Conversions Part 2

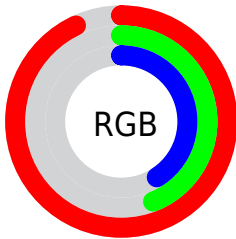
Format	Color
R _Y B	237, 111, 105
Decimal	15560553
CIE Lab	61.99, 48.15, 26.88
CIE LCh	62, 55.144, 29.167
Yxy	30.3933, 0.4769, 0.3358
Android (android.graphics.Color)	4293750633 (0xFFED6F69)
YUV	147.9900, -21.1941, 78.0618
Hunter-Lab	55.1301, 43.2794, 20.3594

Details

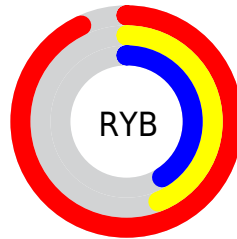
The Yxy color **30.3933, 0.4769, 0.3358** is a dark color, and the websafe version is hex **FF6666**. A complement of this color would be **66.2804, 0.2409, 0.3213**, and the grayscale version is **29.6753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9327, 0.4062, 0.3398**, and **12.4618, 0.5306, 0.3285** is the 20% darker color. If you saturate the color by 10%, you get **25.6465, 0.5237, 0.3362**, and if you desaturate by 10%, it is **36.5292, 0.4340, 0.3348**.

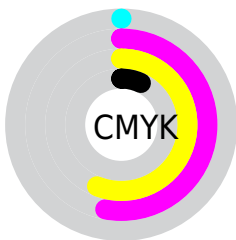
Distribution



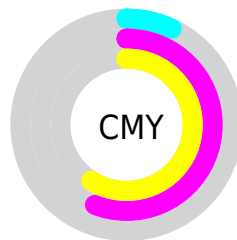
- Red (93%)
- Green (44%)
- Blue (41%)



- Red (93%)
- Yellow (44%)
- Blue (41%)



- Cyan (0%)
- Magenta (53%)
- Yellow (56%)
- Black (7%)





- Cyan (7%)
- Magenta (56%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3933, 0.4769, 0.3358 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 30.3933, 0.4769, 0.3358 by changing the saturation by 10% instead.


 30.3933, 0.4769,
0.3358


 30.3933, 0.4769,
0.3358


303.7334, 0.3887,
0.3372


 20.1373, 0.5003,
0.3335


 60.2836, 0.4437,
0.3377


 12.4949, 0.5307,
0.3292


 80.6867, 0.4315,
0.3379

 7.0817, 0.5715,
0.3209


 105.2410, 0.4214,
0.3380

 3.5132, 0.6281,
0.3049

 134.3308, 0.4128,
0.3379

 1.4052, 0.7225,
0.2775

168.3405, 0.4055,
0.3378

 0.2205, 0.8726,
0.1274

207.6546, 0.3992,

 0.0000, 1.0000,

0.3376

0.0000

252.6575, 0.3936,
0.3374

■ 0.0000, 0.0000,
0.0000

■ 30.3933, 0.4769,
0.3358

■ 30.3933, 0.4769,
0.3358

■ 25.6465, 0.5237,
0.3362

■ 36.5292, 0.4340,
0.3348

■ 22.1759, 0.5696,
0.3358

■ 44.1458, 0.3972,
0.3336

■ 19.8594, 0.6077,
0.3344

■ 53.3326, 0.3668,
0.3323

■ 18.5485, 0.6316,
0.3323

■ 64.1706, 0.3421,
0.3309

■ 18.2426, 0.6377,
0.3319

■ 76.7354, 0.3222,
0.3297

 91.0976, 0.3063,
0.3285

 96.7483, 0.3017,
0.3290

Harmonies

Analogous

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



30.3933, 0.4155, 0.2772



30.3933, 0.4769, 0.3358



30.3933, 0.4830, 0.3989

Triad

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



30.3933, 0.4769, 0.3358



30.3933, 0.2818, 0.4675



30.3933, 0.1889, 0.2002

Complementary

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



30.3933, 0.4769, 0.3358



66.2804, 0.2409, 0.3213

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.



30.3933, 0.1652, 0.2261



30.3933, 0.4769, 0.3358



30.3933, 0.2116, 0.3810

Square

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



30.3933, 0.4769, 0.3358



30.3933, 0.3650, 0.4930



30.3933, 0.1718, 0.2875



30.3933, 0.2431, 0.2031

Rectangle

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



30.3933, 0.4769, 0.3358



30.3933, 0.4580, 0.4399



30.3933, 0.1718, 0.2875



30.3933, 0.1776, 0.2053

Sweetspot

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



30.3949, 0.4769, 0.3358



73.8974, 0.3451, 0.3311



33.9705, 0.3231, 0.2009



15.2421, 0.3498, 0.3314



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.



30.3949, 0.4769, 0.3358



29.5426, 0.5311, 0.3362



49.8462, 0.4302, 0.4055



15.1638, 0.3292, 0.3301



10.0085, 0.6367, 0.3326



0.8247, 0.6277, 0.3398

Inverse Universe

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



66.2804, 0.2409, 0.3213



75.7750, 0.2321, 0.3195



36.6107, 0.2223, 0.2334



16.9976, 0.2981, 0.3279



33.1556, 0.2208, 0.3148



2.6399, 0.2214, 0.3169

Previews

White Background



This preview shows how the Yxy color 30.3933, 0.4769, 0.3358 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 30.3933, 0.4769, 0.3358 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 30.3933, 0.4769, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 30.3933, 0.4769, 0.3358.



This preview shows how white text looks on a background with the Yxy color 30.3933, 0.4769, 0.3358.

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

30.3933, 0.4769, 0.3358

Protanopia

30.5888, 0.3497, 0.3725

Deuteranopia

30.5507, 0.3998, 0.3934



Tritanopia

30.3988, 0.4639, 0.3209

Trichromacy



Original Color

30.3933, 0.4769, 0.3358

Protanomaly

29.4341, 0.3939, 0.3573

Deuteranomaly

29.8596, 0.4293, 0.3696

Tritanomaly

30.5213, 0.4684, 0.3263

Monochromacy



Original Color

30.3933, 0.4769, 0.3358

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.6972, 0.3678, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3933, 0.4769, 0.3358 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(237, 111, 105)` looks like.

```
.text, #text, p{  
    color:rgb(237, 111, 105)  
}
```

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(237, 111, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 111, 105) }
```

Border

The CSS property to change the border of an element to Yxy 30.3933, 0.4769, 0.3358 is called "border". The border property can be set on classes, ids or directly on the HTML element.

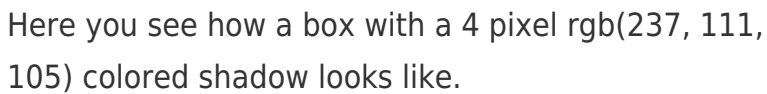
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 111, 105) }
```

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

```
.border{ border-color:rgb(237, 111, 105) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 111, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 111, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 111, 105); box-shadow:4px 4px 4px 4px rgb(237, 111, 105) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3933, 0.4769, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 111, 105) }
```

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

```
.background{ background-color: rgb(237,  
111, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor