

Converting Colors

$Y_{xy}(30.2422, 0.4803, 0.3366)$

Have a look what the booklet for
Yxy(30.2422, 0.4803, 0.3366)
contains.

Yxy(30.3083, 0.4810, 0.3368)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.3083, 0.4810, 0.3368)

Conversions

Conversions Part 1

Format	Color
Hex	EE6E67
RGB	238, 110, 103
RGB Percent	93%, 43%, 40%
CMY	0.0666, 0.5686, 0.5961
CMYK	0.00, 0.54, 0.57, 0.07
HSL	3°, 80%, 67%
HSV	3°, 57%, 93%
XYZ	43.2847, 30.3083, 16.3960
YIQ	147.4740, 78.5350, 24.9590

Conversions

Conversions Part 2

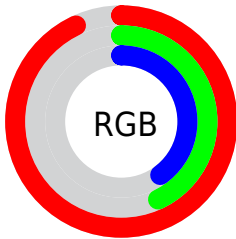
Format	Color
R _Y B	238, 110, 103
Decimal	15625831
CIE Lab	61.92, 48.82, 27.94
CIE LCh	62, 56.252, 29.781
Yxy	30.3083, 0.4810, 0.3368
Android (android.graphics.Color)	4293815911 (0xFFEE6E67)
YUV	147.4740, -21.9257, 79.3913
Hunter-Lab	55.0530, 44.0007, 20.8792

Details

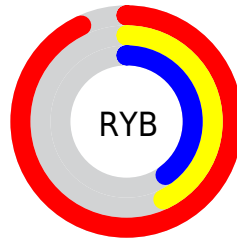
The Yxy color **30.3083, 0.4810, 0.3368** is a dark color, and the websafe version is hex **FF6666**. A complement of this color would be **66.1983, 0.2398, 0.3200**, and the grayscale version is **29.4530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5034, 0.4085, 0.3409**, and **12.4610, 0.5360, 0.3297** is the 20% darker color. If you saturate the color by 10%, you get **25.6335, 0.5278, 0.3372**, and if you desaturate by 10%, it is **36.3617, 0.4378, 0.3358**.

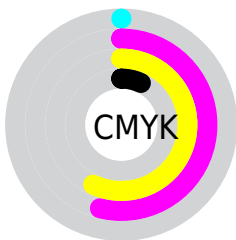
Distribution



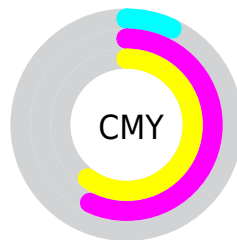
- Red (93%)
- Green (43%)
- Blue (40%)



- Red (93%)
- Yellow (43%)
- Blue (40%)



- Cyan (0%)
- Magenta (54%)
- Yellow (57%)
- Black (7%)




- Cyan (7%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3083, 0.4810, 0.3368 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 30.3083, 0.4810, 0.3368 by changing the saturation by 10% instead.


 30.3083, 0.4810,
0.3368


 30.3083, 0.4810,
0.3368


303.3389, 0.3907,
0.3379

 20.0727, 0.5049,
0.3344


 60.1494, 0.4470,
0.3387


 12.4479, 0.5359,
0.3299


 80.5237, 0.4346,
0.3389

 7.0495, 0.5772,
0.3213


 105.0464, 0.4242,
0.3389

 3.4931, 0.6349,
0.3050

 134.1018, 0.4154,
0.3388

 1.3943, 0.7253,
0.2747

168.0743, 0.4079,
0.3387

 0.2125, 0.8776,
0.1224

207.3484, 0.4014,

 0.0000, 1.0000,

0.3384


0.0000

252.3085, 0.3957,
0.3382


 0.0000, 0.0000,
0.0000


 30.3083, 0.4810,
0.3368


 30.3083, 0.4810,
0.3368

 25.6335, 0.5278,
0.3372


 36.3617, 0.4378,
0.3358


 22.2243, 0.5732,
0.3366

 43.8851, 0.4005,
0.3344

 19.9586, 0.6101,
0.3349

 52.9679, 0.3695,
0.3329


 18.6868, 0.6326,
0.3325

 63.6911, 0.3443,
0.3313

 18.4502, 0.6373,
0.3322

 76.1298, 0.3241,
0.3299

 90.3547, 0.3078,
0.3286

 96.9180, 0.3023,
0.3290

Harmonies

Analogous

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



30.3083, 0.4194, 0.2773



30.3083, 0.4810, 0.3368



30.3083, 0.4857, 0.4009

Triad

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



30.3083, 0.4810, 0.3368



30.3083, 0.2792, 0.4695



30.3083, 0.1876, 0.1977

Complementary

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



30.3083, 0.4810, 0.3368



66.1983, 0.2398, 0.3200

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.



30.3083, 0.1629, 0.2232



30.3083, 0.4810, 0.3368



30.3083, 0.2084, 0.3799

Square

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



30.3083, 0.4810, 0.3368



30.3083, 0.3638, 0.4967



30.3083, 0.1689, 0.2847



30.3083, 0.2432, 0.2013

Rectangle

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



30.3083, 0.4810, 0.3368



30.3083, 0.4594, 0.4427



30.3083, 0.1689, 0.2847



30.3083, 0.1760, 0.2027

Sweetspot

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



30.3099, 0.4810, 0.3368



74.0406, 0.3451, 0.3314



33.6591, 0.3255, 0.2008



15.2753, 0.3498, 0.3317



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.



30.3099, 0.4810, 0.3368



29.2801, 0.5349, 0.3372



50.6982, 0.4314, 0.4089



15.8906, 0.3292, 0.3303



10.3483, 0.6363, 0.3330



0.9070, 0.6266, 0.3407

Inverse Universe

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



66.1983, 0.2398, 0.3200



74.8966, 0.2312, 0.3180



35.5150, 0.2200, 0.2281



17.7798, 0.2981, 0.3277



33.7360, 0.2202, 0.3127



2.8494, 0.2208, 0.3150

Previews

White Background



This preview shows how the Yxy color 30.3083, 0.4810, 0.3368 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 30.3083, 0.4810, 0.3368 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 30.3083, 0.4810, 0.3368

Background



This preview shows how black text looks on a background with the Yxy color 30.3083, 0.4810, 0.3368.



This preview shows how white text looks on a background with the Yxy color 30.3083, 0.4810, 0.3368.

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

30.3083, 0.4810, 0.3368

Protanopia

30.5397, 0.3518, 0.3757

Deuteranopia

30.3317, 0.4036, 0.3945



Tritanopia

30.3137, 0.4681, 0.3221

Trichromacy



Original Color

30.3083, 0.4810, 0.3368

Protanomaly

29.2342, 0.3979, 0.3586

Deuteranomaly

29.6900, 0.4334, 0.3706

Tritanomaly

30.4357, 0.4726, 0.3274

Monochromacy



Original Color

30.3083, 0.4810, 0.3368

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.3922, 0.3694, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3083, 0.4810, 0.3368 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, 110, 103)` looks like.

```
.text, #text, p{  
    color:rgb(238, 110, 103)  
}
```

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, 110, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 110, 103) }
```

Border

The CSS property to change the border of an element to Yxy 30.3083, 0.4810, 0.3368 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, 110, 103) }
```

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

```
.border{ border-color:rgb(238, 110, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 110, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 110, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 110, 103);  
box-shadow:4px 4px 4px 4px rgb(238, 110,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3083, 0.4810, 0.3368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 110, 103) }
```

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

```
.background{ background-color: rgb(238,  
110, 103) }
```

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