

Converting Colors

$Y_{xy}(30.9054, 0.4577, 0.3477)$

Have a look what the booklet for
Yxy(30.9054, 0.4577, 0.3477)
contains.

Yxy(30.8634, 0.4590, 0.3476)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.8634, 0.4590, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	E27969
RGB	226, 121, 105
RGB Percent	89%, 47%, 41%
CMY	0.1137, 0.5255, 0.5883
CMYK	0.00, 0.46, 0.54, 0.11
HSL	8°, 68%, 65%
HSV	8°, 54%, 89%
XYZ	40.7546, 30.8634, 17.1720
YIQ	150.5710, 67.7160, 17.2840

Conversions

Conversions Part 2

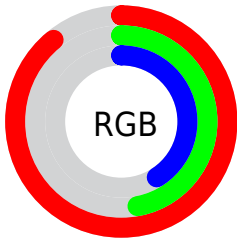
Format	Color
R _Y B	226, 123, 105
Decimal	14842217
CIE Lab	62.39, 39.14, 27.10
CIE LCh	62, 47.607, 34.702
Yxy	30.8634, 0.4590, 0.3476
Android (android.graphics.Color)	4293032297 (0xFFE27969)
YUV	150.5710, -22.4665, 66.1512
Hunter-Lab	55.5548, 33.7253, 20.5619

Details

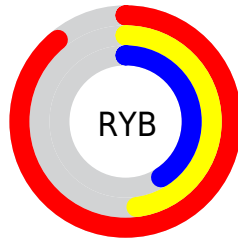
The Yxy color **30.8634, 0.4590, 0.3476** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **54.5943, 0.2401, 0.3077**, and the grayscale version is **30.8309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.3202, 0.4023, 0.3493**, and **12.6687, 0.5066, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **26.1685, 0.5020, 0.3494**, and if you desaturate by 10%, it is **36.6540, 0.4203, 0.3446**.

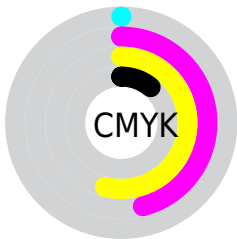
Distribution



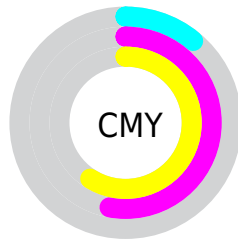
- Red (89%)
- Green (47%)
- Blue (41%)



- Red (89%)
- Yellow (48%)
- Blue (41%)



- Cyan (0%)
- Magenta (46%)
- Yellow (54%)
- Black (11%)





- Cyan (11%)
- Magenta (53%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8634, 0.4590, 0.3476 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 30.8634, 0.4590, 0.3476 by changing the saturation by 10% instead.


 30.8634, 0.4590,
0.3476


 30.8634, 0.4590,
0.3476


305.9085, 0.3805,
0.3420


 20.4949, 0.4799,
0.3474


 61.0249, 0.4294,
0.3467

 12.7553, 0.5072,
0.3459


 81.5867, 0.4186,
0.3460

 7.2602, 0.5439,
0.3416


 106.3151, 0.4096,
0.3452

 3.6254, 0.5952,
0.3313

 135.5943, 0.4020,
0.3445

 1.4663, 0.6860,
0.3140

169.8089, 0.3954,
0.3438

 0.2648, 0.8266,
0.1734

209.3432, 0.3898,

 0.0000, 1.0000,

0.3432

0.0000

254.5816, 0.3849,
0.3426

0.0000, 0.0000,
0.0000

30.8634, 0.4590,
0.3476

30.8634, 0.4590,
0.3476

26.1685, 0.5020,
0.3494

36.6540, 0.4203,
0.3446

22.4954, 0.5462,
0.3493

43.5985, 0.3872,
0.3410

19.7685, 0.5864,
0.3467

51.7568, 0.3596,
0.3373

17.8994, 0.6165,
0.3417

61.1831, 0.3369,
0.3336

17.0940, 0.6297,
0.3382

71.9285, 0.3184,
0.3302

■ 84.0410, 0.3033,
0.3270

■ 94.9112, 0.2952,
0.3289

Harmonies

Analogous

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



30.8634, 0.4138, 0.2935



30.8634, 0.4590, 0.3476



30.8634, 0.4572, 0.4036

Triad

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



30.8634, 0.4590, 0.3476



30.8634, 0.2747, 0.4350



30.8634, 0.2107, 0.2142

Complementary

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



30.8634, 0.4590, 0.3476



54.5943, 0.2401, 0.3077

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.



30.8634, 0.1841, 0.2334



30.8634, 0.4590, 0.3476



30.8634, 0.2164, 0.3585

Square

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



30.8634, 0.4590, 0.3476



30.8634, 0.3472, 0.4695



30.8634, 0.1855, 0.2824



30.8634, 0.2643, 0.2206

Rectangle

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



30.8634, 0.4590, 0.3476



30.8634, 0.4322, 0.4374



30.8634, 0.1855, 0.2824



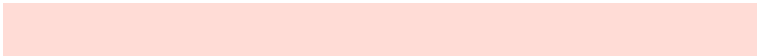
30.8634, 0.1988, 0.2175

Sweetspot

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



30.8650, 0.4590, 0.3476



77.0993, 0.3423, 0.3345



31.0215, 0.3331, 0.2140



15.9422, 0.3469, 0.3353



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.



30.8650, 0.4590, 0.3476



33.9244, 0.5059, 0.3495



49.6819, 0.4175, 0.4135



13.9912, 0.3289, 0.3322



9.8477, 0.6279, 0.3396



0.7784, 0.6037, 0.3588

Inverse Universe

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



54.5943, 0.2401, 0.3077



68.0011, 0.2301, 0.3026



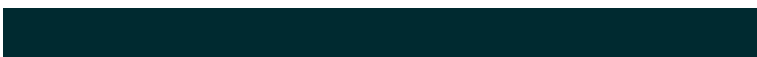
30.7523, 0.2228, 0.2233



15.2469, 0.2982, 0.3258



25.8119, 0.2130, 0.2868



1.8762, 0.2150, 0.2939

Previews

White Background



This preview shows how the Yxy color 30.8634, 0.4590, 0.3476 looks on a white background.

Color Contrast Check

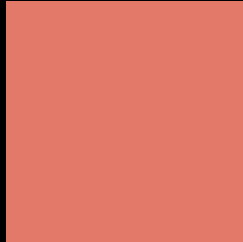
Large Text (above 18pt) WCAG AA × Fail

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 30.8634, 0.4590, 0.3476 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 30.8634, 0.4590, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 30.8634, 0.4590, 0.3476.



This preview shows how white text looks on a background with the Yxy color 30.8634, 0.4590, 0.3476.

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

30.8634, 0.4590, 0.3476

Protanopia

31.0183, 0.3556, 0.3799

Deuteranopia

31.0141, 0.3982, 0.3917



Tritanopia

30.7941, 0.4358, 0.3201

Trichromacy



Original Color

30.8634, 0.4590, 0.3476

Protanomaly

30.2627, 0.3929, 0.3673

Deuteranomaly

30.4379, 0.4210, 0.3744

Tritanomaly

30.8326, 0.4454, 0.3305

Monochromacy



Original Color

30.8634, 0.4590, 0.3476

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.9424, 0.3615, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8634, 0.4590, 0.3476 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(226, 121, 105)` looks like.

```
.text, #text, p{  
    color:rgb(226, 121, 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(226, 121, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 121, 105) }
```

Border

The CSS property to change the border of an element to Yxy 30.8634, 0.4590, 0.3476 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(226, 121, 105) }
```

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

```
.border{ border-color:rgb(226, 121, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 121, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 121, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 121, 105);  
box-shadow:4px 4px 4px 4px rgb(226, 121,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8634, 0.4590, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 121, 105) }
```

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

```
.background{ background-color: rgb(226,  
121, 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