

# Converting Colors

$Y_{xy}(31.5001, 0.4446, 0.3374)$

Have a look what the booklet for  
Yxy(31.5001, 0.4446, 0.3374)  
contains.

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# Color

**Yxy(31.5956, 0.4443, 0.3375)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E27B74
RGB	226, 123, 116
RGB Percent	89%, 48%, 45%
CMY	0.1138, 0.5176, 0.5451
CMYK	0.00, 0.46, 0.49, 0.11
HSL	4°, 65%, 67%
HSV	4°, 49%, 89%
XYZ	41.5939, 31.5956, 20.4271
YIQ	152.9990, 63.6350, 19.6590

# Conversions

## Conversions Part 2

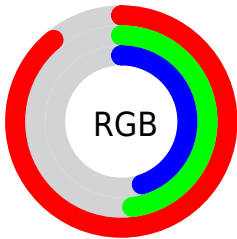
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 123, 116
Decimal	14842740
CIE Lab	63.01, 39.06, 21.73
CIE LCh	63, 44.694, 29.085
Yxy	31.5956, 0.4443, 0.3375
Android (android.graphics.Color)	4293032820 (0xFFE27B74)
YUV	152.9990, -18.2405, 64.0219
Hunter-Lab	56.2100, 33.7177, 17.8005

# Details

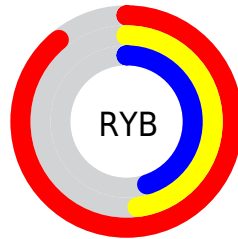
The Yxy color **31.5956, 0.4443, 0.3375** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **59.8391, 0.2471, 0.3198**, and the grayscale version is **31.9167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5314, 0.3905, 0.3387**, and **13.1393, 0.4886, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **26.4393, 0.4879, 0.3387**, and if you desaturate by 10%, it is **38.0170, 0.4063, 0.3359**.

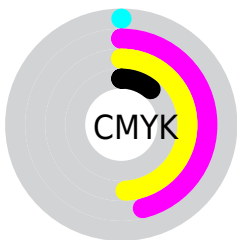
# Distribution



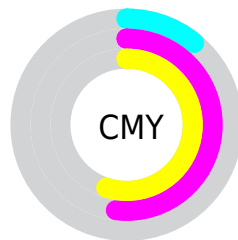
- Red (89%)
- Green (48%)
- Blue (45%)



- Red (89%)
- Yellow (48%)
- Blue (45%)



- Cyan (0%)
- Magenta (46%)
- Yellow (49%)
- Black (11%)




- Cyan (11%)
- Magenta (52%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5956, 0.4443, 0.3375 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 31.5956, 0.4443, 0.3375 by changing the saturation by 10% instead.





 31.5956, 0.4443,  
0.3375


 31.5956, 0.4443,  
0.3375


309.2729, 0.3737,  
0.3362

 21.0528, 0.4632,  
0.3366


 62.1766, 0.4176,  
0.3379

 13.1626, 0.4882,  
0.3346


 82.9835, 0.4079,  
0.3377

 7.5406, 0.5223,  
0.3303


 107.9807, 0.3998,  
0.3375

 3.8024, 0.5707,  
0.3209

137.5524, 0.3930,  
0.3373

 1.5637, 0.6757,  
0.3145

172.0831, 0.3871,  
0.3370

 0.3329, 0.8018,  
0.1982

211.9572, 0.3820,


 0.0000, 1.0000,


0.3367

0.0000


257.5590, 0.3776,  
0.3364


 0.0000, 0.0000,  
0.0000

 31.5956, 0.4443,  
0.3375


 31.5956, 0.4443,  
0.3375


 26.4393, 0.4879,  
0.3387


 38.0170, 0.4063,  
0.3359


 22.4599, 0.5344,  
0.3389


 45.7742, 0.3745,  
0.3340

 19.5660, 0.5785,  
0.3380


 54.9386, 0.3486,  
0.3322

 17.6503, 0.6135,  
0.3358


 65.5749, 0.3276,  
0.3304

 16.5805, 0.6343,  
0.3331

 77.7441, 0.3107,  
0.3288

 16.4911, 0.6363,  
0.3329

 91.5034, 0.2970,  
0.3273

 94.9051, 0.2952,  
0.3289

# Harmonies

## Analogous

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



31.5956, 0.3952, 0.2872



31.5956, 0.4443, 0.3375



31.5956, 0.4516, 0.3906

# Triad

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



31.5956, 0.4443, 0.3375



31.5956, 0.2900, 0.4367



31.5956, 0.2101, 0.2225

# Complementary

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



31.5956, 0.4443, 0.3375



59.8391, 0.2471, 0.3198

# 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.



31.5956, 0.1898, 0.2462



31.5956, 0.4443, 0.3375



31.5956, 0.2313, 0.3710

# Square

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



31.5956, 0.4443, 0.3375



31.5956, 0.3586, 0.4598



31.5956, 0.1965, 0.2979



31.5956, 0.2563, 0.2240



# Rectangle

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



31.5956, 0.4443, 0.3375



31.5956, 0.4331, 0.4233



31.5956, 0.1965, 0.2979



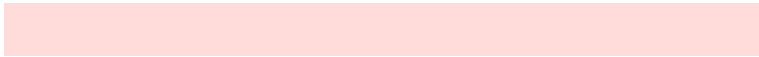
31.5956, 0.2004, 0.2274

# Sweetspot

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



31.5972, 0.4443, 0.3375



77.0212, 0.3406, 0.3315



33.8472, 0.3235, 0.2165



15.8727, 0.3452, 0.3319



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.



31.5972, 0.4443, 0.3375



34.9418, 0.4866, 0.3386



48.6671, 0.4107, 0.3987



13.8404, 0.3290, 0.3306



9.4692, 0.6352, 0.3339



0.7066, 0.6215, 0.3447



# Inverse Universe

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



59.8391, 0.2471, 0.3198



75.9897, 0.2381, 0.3177



36.2884, 0.2331, 0.2454



15.4144, 0.2982, 0.3274



29.9373, 0.2192, 0.3090



2.1210, 0.2201, 0.3123



# Previews

## White Background



This preview shows how the Yxy color 31.5956, 0.4443, 0.3375 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

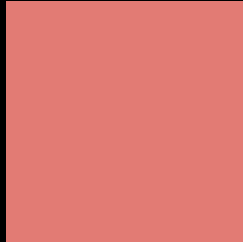
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.5956, 0.4443, 0.3375 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 31.5956, 0.4443, 0.3375**

## Background



This preview shows how black text looks on a background with the Yxy color 31.5956, 0.4443, 0.3375.



This preview shows how white text looks on a background with the Yxy color 31.5956, 0.4443, 0.3375.

# 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

31.5956, 0.4443, 0.3375

### Protanopia

31.9712, 0.3431, 0.3642

### Deuteranopia

31.8610, 0.3857, 0.3791



## Tritanopia

31.6173, 0.4291, 0.3189

# Trichromacy



## Original Color

31.5956, 0.4443, 0.3375

## Protanomaly

31.1410, 0.3786, 0.3532

## Deuteranomaly

31.2395, 0.4074, 0.3627

## Tritanomaly

31.7306, 0.4349, 0.3259

# Monochromacy



## Original Color

31.5956, 0.4443, 0.3375

## Achromatopsia

31.8547, 0.3127, 0.3290

## Achromatomaly

30.9428, 0.3565, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.5956, 0.4443, 0.3375 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, 123, 116)` looks like.

```
.text, #text, p{  
    color:rgb(226, 123, 116)  
}
```

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, 123, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 123, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 31.5956, 0.4443, 0.3375 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, 123, 116) }
```

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

```
.border{ border-color:rgb(226, 123, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 123, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 123, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 123, 116);  
box-shadow:4px 4px 4px 4px rgb(226, 123,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.5956, 0.4443, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 123, 116) }
```

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

```
.background{ background-color: rgb(226,  
123, 116) }
```

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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