

# Converting Colors

$Y_{xy}(26.5578, 0.4805, 0.3231)$

Have a look what the booklet for  
Yxy(26.5578, 0.4805, 0.3231)  
contains.

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**Color**

**Yxy(26.5578, 0.4805, 0.3231)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E66268
RGB	230, 98, 104
RGB Percent	90%, 38%, 41%
CMY	0.0981, 0.6156, 0.5921
CMYK	0.00, 0.57, 0.55, 0.10
HSL	357°, 73%, 64%
HSV	357°, 57%, 90%
XYZ	39.4956, 26.5578, 16.1435
YIQ	138.1520, 76.7460, 29.8500

# Conversions

## Conversions Part 2

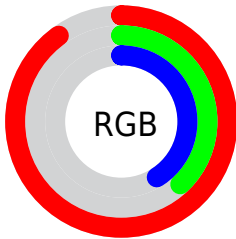
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">230, 98, 104</a>
Decimal	<a href="#">15098472</a>
CIELab	<a href="#">58.56, 51.72, 22.70</a>
CIELCh	<a href="#">59, 56.484, 23.698</a>
Yxy	<a href="#">26.5578, 0.4805, 0.3231</a>
Android (android.graphics.Color)	<a href="#">4293288552 (0xFFE66268)</a>
YUV	<a href="#">138.1520, -16.8369, 80.5507</a>
Hunter-Lab	<a href="#">51.5343, 46.6165, 17.5010</a>

# Details

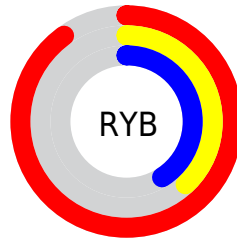
The Yxy color **26.5578, 0.4805, 0.3231** is a dark color, and the websafe version is hex **FF6666**. A complement of this color would be **64.5630, 0.2438, 0.3365**, and the grayscale version is **25.5232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4090, 0.4128, 0.3272**, and **10.3864, 0.5393, 0.3124** is the 20% darker color. If you saturate the color by 10%, you get **22.4655, 0.5274, 0.3231**, and if you desaturate by 10%, it is **32.0052, 0.4373, 0.3237**.

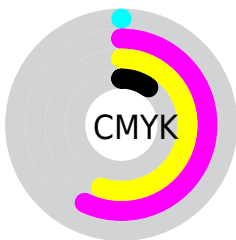
# Distribution



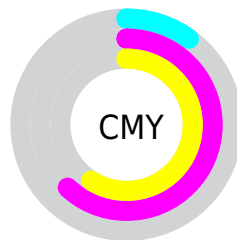
- Red (90%)
- Green (38%)
- Blue (41%)



- Red (90%)
- Yellow (38%)
- Blue (41%)



- Cyan (0%)
- Magenta (57%)
- Yellow (55%)
- Black (10%)




- Cyan (10%)
- Magenta (62%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 26.5578, 0.4805, 0.3231 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 26.5578, 0.4805, 0.3231 by changing the saturation by 10% instead.





 26.5578, 0.4805,  
0.3231


 26.5578, 0.4805,  
0.3231


285.5096, 0.3885,  
0.3309

 17.2414, 0.5057,  
0.3191


 54.1735, 0.4453,  
0.3274

 10.4068, 0.5391,  
0.3124


 73.2415, 0.4326,  
0.3285

 5.6695, 0.5847,  
0.3008

 96.3289, 0.4220,  
0.3293

 2.6452, 0.6510,  
0.2801

 123.8200, 0.4132,  
0.3299

 0.9494, 0.7581,  
0.2419

156.0992, 0.4056,  
0.3303

 0.0000, 1.0000,  
0.0000


193.5510, 0.3991,


 0.0000, 0.0000,


0.3306


0.0000


236.5597, 0.3935,  
0.3308


 26.5578, 0.4805,  
0.3231


 26.5578, 0.4805,  
0.3231

 22.4655, 0.5274,  
0.3231

 32.0052, 0.4373,  
0.3237

 19.6056, 0.5729,  
0.3239


 38.9078, 0.4001,  
0.3247

 17.8410, 0.6100,  
0.3256


 47.3612, 0.3694,  
0.3259

 16.9889, 0.6327,  
0.3278

 57.4517, 0.3446,  
0.3271

 16.8428, 0.6364,  
0.3280

 69.2593, 0.3248,  
0.3282

 82.8585, 0.3089,  
0.3293

 95.5600, 0.2976,  
0.3290

# Harmonies

## Analogous

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



26.5578, 0.4060, 0.2635



26.5578, 0.4805, 0.3231



26.5578, 0.4972, 0.3887

# Triad

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



26.5578, 0.4805, 0.3231



26.5578, 0.2944, 0.4897



26.5578, 0.1749, 0.1951

# Complementary

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



26.5578, 0.4805, 0.3231



64.5630, 0.2438, 0.3365

# 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.



26.5578, 0.1558, 0.2279



26.5578, 0.4805, 0.3231



26.5578, 0.2161, 0.4044

# Square

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



26.5578, 0.4805, 0.3231



26.5578, 0.3824, 0.5011



26.5578, 0.1684, 0.2998



26.5578, 0.2257, 0.1935



# Rectangle

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



26.5578, 0.4805, 0.3231



26.5578, 0.4757, 0.4331



26.5578, 0.1684, 0.2998



26.5578, 0.1651, 0.2022

# Sweetspot

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



26.5592, 0.4805, 0.3231



73.0076, 0.3440, 0.3271



30.2008, 0.3124, 0.1918



15.0357, 0.3486, 0.3269



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.



26.5592, 0.4805, 0.3231



27.5478, 0.5369, 0.3232



41.9532, 0.4426, 0.3954



14.3785, 0.3285, 0.3280



9.5420, 0.6351, 0.3272



0.7089, 0.6214, 0.3197



# Inverse Universe

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



26.5592, 0.4805, 0.3231



27.5478, 0.5369, 0.3232



37.2851, 0.2234, 0.2463



14.3785, 0.3285, 0.3280



9.5420, 0.6351, 0.3272



0.7089, 0.6214, 0.3197



# Previews

## White Background



This preview shows how the Yxy color 26.5578, 0.4805, 0.3231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.5578, 0.4805, 0.3231 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 × Fail

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

**Yxy 26.5578, 0.4805, 0.3231**

## Background



This preview shows how black text looks on a background with the Yxy color 26.5578, 0.4805, 0.3231.



This preview shows how white text looks on a background with the Yxy color 26.5578, 0.4805, 0.3231.

# 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

26.5578, 0.4805, 0.3231

### Protanopia

26.8009, 0.3380, 0.3570

### Deuteranopia

26.6448, 0.3939, 0.3854



## Tritanopia

26.5578, 0.4805, 0.3231

# Trichromacy



## Original Color

26.5578, 0.4805, 0.3231

## Protanomaly

25.4166, 0.3878, 0.3410

## Deuteranomaly

25.9155, 0.4264, 0.3594

## Tritanomaly

26.5578, 0.4805, 0.3231

# Monochromacy



## Original Color

26.5578, 0.4805, 0.3231

## Achromatopsia

25.4152, 0.3127, 0.3290

## Achromatomaly

24.3302, 0.3688, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.5578, 0.4805, 0.3231 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(230, 98, 104)` looks like.

```
.text, #text, p{  
  color:rgb(230, 98, 104)  
}
```

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(230, 98, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 98, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 26.5578, 0.4805, 0.3231 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(230, 98, 104) }
```

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

```
.border{ border-color:rgb(230, 98, 104) }
```

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

Here you see how a box with a 4 pixel rgb(230, 98, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 98, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 98, 104);  
box-shadow:4px 4px 4px 4px rgb(230, 98,  
104) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.5578, 0.4805, 0.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 98, 104) }
```

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

```
.background{ background-color: rgb(230, 98,  
104) }
```

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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