

# Converting Colors

Yxy(31.6509, 0.4648, 0.3503)

Have a look what the booklet for  
Yxy(31.6509, 0.4648, 0.3503)  
contains.

<b>Yxy(31.7213, 0.4645, 0.3505)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(31.7213, 0.4645, 0.3505)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E67A67
RGB	230, 122, 103
RGB Percent	90%, 48%, 40%
CMY	0.0981, 0.5215, 0.5960
CMYK	0.00, 0.47, 0.55, 0.10
HSL	9°, 72%, 65%
HSV	9°, 55%, 90%
XYZ	42.0386, 31.7213, 16.7431
YIQ	152.1260, 70.4670, 16.9870

# Conversions

## Conversions Part 2

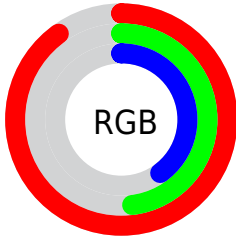
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 125, 103
Decimal	15104615
CIE Lab	63.11, 39.96, 29.25
CIE LCh	63, 49.518, 36.207
Yxy	31.7213, 0.4645, 0.3505
Android (android.graphics.Color)	4293294695 (0xFFE67A67)
YUV	152.1260, -24.2191, 68.2955
Hunter-Lab	56.3217, 34.6700, 21.7997

# Details

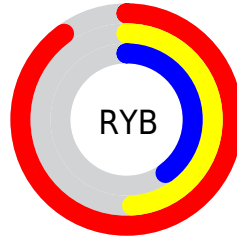
The Yxy color **31.7213, 0.4645, 0.3505** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **55.1808, 0.2377, 0.3039**, and the grayscale version is **31.5425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.6438, 0.4037, 0.3524**, and **13.2119, 0.5132, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **26.9930, 0.5074, 0.3523**, and if you desaturate by 10%, it is **37.5464, 0.4255, 0.3473**.

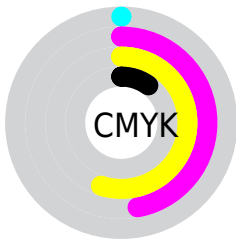
# Distribution



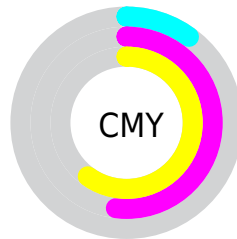
- Red (90%)
- Green (48%)
- Blue (40%)



- Red (90%)
- Yellow (49%)
- Blue (40%)



- Cyan (0%)
- Magenta (47%)
- Yellow (55%)
- Black (10%)




- Cyan (10%)
- Magenta (52%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.7213, 0.4645, 0.3505 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 31.7213, 0.4645, 0.3505 by changing the saturation by 10% instead.




 31.7213, 0.4645,  
0.3505


 31.7213, 0.4645,  
0.3505


309.8477, 0.3835,  
0.3438


 21.1487, 0.4858,  
0.3504


 62.3739, 0.4341,  
0.3493

 13.2328, 0.5134,  
0.3489


 83.2227, 0.4230,  
0.3485

 7.5890, 0.5502,  
0.3446


 108.2658, 0.4137,  
0.3476

 3.8331, 0.6012,  
0.3342

 137.8874, 0.4058,  
0.3468

 1.5807, 0.6854,  
0.3146

172.4720, 0.3990,  
0.3460

 0.3445, 0.8016,  
0.1984

212.4040, 0.3932,

 0.0000, 1.0000,

0.3452

0.0000

258.0678, 0.3881,  
0.3445

0.0000, 0.0000,  
0.0000

31.7213, 0.4645,  
0.3505

31.7213, 0.4645,  
0.3505

26.9930, 0.5074,  
0.3523

37.5464, 0.4255,  
0.3473

23.2875, 0.5508,  
0.3518

44.5262, 0.3918,  
0.3433

20.5294, 0.5895,  
0.3486


52.7205, 0.3636,  
0.3391


18.6304, 0.6178,  
0.3427

62.1835, 0.3403,  
0.3349

17.9887, 0.6276,  
0.3399

72.9661, 0.3212,  
0.3309

 85.1163, 0.3056,  
0.3273

 95.5610, 0.2976,  
0.3290

# Harmonies

## Analogous

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



31.7213, 0.4202, 0.2950



31.7213, 0.4645, 0.3505



31.7213, 0.4599, 0.4079

# Triad

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



31.7213, 0.4645, 0.3505



31.7213, 0.2698, 0.4354



31.7213, 0.2101, 0.2110

# Complementary

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



31.7213, 0.4645, 0.3505



55.1808, 0.2377, 0.3039

# 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.



31.7213, 0.1816, 0.2290



31.7213, 0.4645, 0.3505



31.7213, 0.2113, 0.3549

# Square

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



31.7213, 0.4645, 0.3505



31.7213, 0.3440, 0.4737



31.7213, 0.1814, 0.2774



31.7213, 0.2662, 0.2188



# Rectangle

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



31.7213, 0.4645, 0.3505



31.7213, 0.4327, 0.4424



31.7213, 0.1814, 0.2774



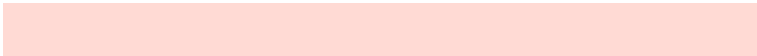
31.7213, 0.1975, 0.2139

# Sweetspot

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



31.7230, 0.4645, 0.3505



76.2092, 0.3444, 0.3357



31.3317, 0.3361, 0.2128



15.7799, 0.3489, 0.3365



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.



31.7230, 0.4645, 0.3505



33.5053, 0.5125, 0.3524



51.8459, 0.4200, 0.4180



14.7142, 0.3289, 0.3326



10.2947, 0.6256, 0.3415



0.8695, 0.6011, 0.3609



# Inverse Universe

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



55.1808, 0.2377, 0.3039



65.7248, 0.2276, 0.2980



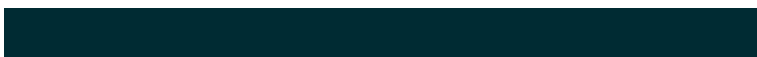
30.2735, 0.2193, 0.2161



15.9496, 0.2981, 0.3254



25.6238, 0.2114, 0.2809



1.9938, 0.2135, 0.2886



# Previews

## White Background



This preview shows how the Yxy color 31.7213, 0.4645, 0.3505 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 31.7213, 0.4645, 0.3505 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 31.7213, 0.4645, 0.3505**

## Background



This preview shows how black text looks on a background with the Yxy color 31.7213, 0.4645, 0.3505.



This preview shows how white text looks on a background with the Yxy color 31.7213, 0.4645, 0.3505.

# 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

31.7213, 0.4645, 0.3505

### Protanopia

31.9359, 0.3601, 0.3852

### Deuteranopia

31.6490, 0.4029, 0.3948



## Tritanopia

31.8818, 0.4392, 0.3204

# Trichromacy



**Original Color**

31.7213, 0.4645, 0.3505

**Protanomaly**

31.1851, 0.3973, 0.3723

**Deuteranomaly**

31.2289, 0.4268, 0.3772

**Tritanomaly**

31.7299, 0.4488, 0.3317

# Monochromacy



**Original Color**

31.7213, 0.4645, 0.3505

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

30.4743, 0.3634, 0.3392

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.7213, 0.4645, 0.3505 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, 122, 103)` looks like.

```
.text, #text, p{  
  color:rgb(230, 122, 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(230, 122, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 122, 103) }
```

## Border

The CSS property to change the border of an element to Yxy 31.7213, 0.4645, 0.3505 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, 122, 103) }
```

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

```
.border{ border-color:rgb(230, 122, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 122, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 122, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 122, 103);  
box-shadow:4px 4px 4px 4px rgb(230, 122,  
103) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.7213, 0.4645, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 122, 103) }
```

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

```
.background{ background-color: rgb(230,  
122, 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