

# Converting Colors

$Y_{xy}(19.7734, 0.5605, 0.3598)$

Have a look what the booklet for  
Yxy(19.7734, 0.5605, 0.3598)  
contains.

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# Color

**Yxy(19.7711, 0.5605, 0.3598)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D64D2A
RGB	214, 77, 42
RGB Percent	84%, 30%, 16%
CMY	0.1608, 0.6979, 0.8354
CMYK	0.00, 0.64, 0.80, 0.16
HSL	12°, 68%, 50%
HSV	12°, 80%, 84%
XYZ	30.7996, 19.7711, 4.3795
YIQ	113.9730, 92.8870, 18.1590

# Conversions

## Conversions Part 2

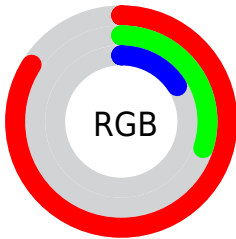
Format	Color
R <sub>Y</sub> B	214, 86, 42
Decimal	14044458
CIE Lab	51.58, 52.15, 47.99
CIE LCh	52, 70.868, 42.620
Yxy	19.7711, 0.5605, 0.3598
Android (android.graphics.Color)	4292234538 (0xFFD64D2A)
YUV	113.9730, -35.4827, 87.7237
Hunter-Lab	44.4647, 45.8294, 25.2855

# Details

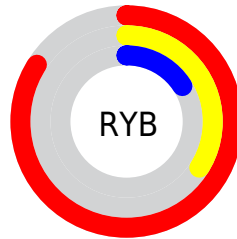
The Yxy color **19.7711, 0.5605, 0.3598** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **37.5530, 0.2146, 0.2760**, and the grayscale version is **16.9081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5007, 0.4925, 0.3694**, and **6.8934, 0.6314, 0.3369** is the 20% darker color. If you saturate the color by 10%, you get **17.5771, 0.5945, 0.3545**, and if you desaturate by 10%, it is **22.6734, 0.5204, 0.3615**.

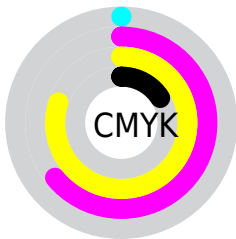
# Distribution



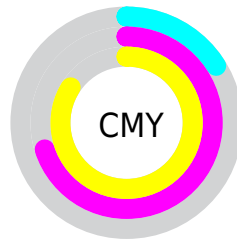
- Red (84%)
- Green (30%)
- Blue (16%)



- Red (84%)
- Yellow (34%)
- Blue (16%)



- Cyan (0%)
- Magenta (64%)
- Yellow (80%)
- Black (16%)




- Cyan (16%)
- Magenta (70%)
- Yellow (84%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7711, 0.5605, 0.3598 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 19.7711, 0.5605, 0.3598 by changing the saturation by 10% instead.





 19.7711, 0.5605,  
0.3598


 19.7711, 0.5605,  
0.3598


250.6732, 0.4246,  
0.3579


 12.2288, 0.5942,  
0.3528


 43.0331, 0.5101,  
0.3640


 6.8997, 0.6377,  
0.3400


 59.5215, 0.4913,  
0.3640


 3.3994, 0.6871,  
0.3129

 79.7608, 0.4755,  
0.3634

 1.3437, 0.7389,  
0.2611

 104.1353, 0.4621,  
0.3624

 0.1746, 0.9011,  
0.0989

 133.0293, 0.4507,  
0.3613

 0.0000, 1.0000,  
0.0000

 166.8274, 0.4408,

 0.0000, 0.0000,

0.3602

0.0000

205.9139, 0.4322,  
0.3590

■ 19.7711, 0.5605,  
0.3598

■ 19.7711, 0.5605,  
0.3598

■ 17.5771, 0.5945,  
0.3545

■ 22.6734, 0.5204,  
0.3615


■ 16.0670, 0.6184,  
0.3472


■ 26.3365, 0.4791,  
0.3599

■ 30.8116, 0.4401,  
0.3562


■ 36.1443, 0.4056,  
0.3511

■ 42.3767, 0.3759,  
0.3455

 49.5482, 0.3511,  
0.3398

 57.6958, 0.3304,  
0.3343

 66.8544, 0.3133,  
0.3292

 77.0573, 0.2992,  
0.3245

# Harmonies

## Analogous

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



19.7711, 0.5130, 0.2848



19.7711, 0.5605, 0.3598



19.7711, 0.5206, 0.4438

# Triad

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



19.7711, 0.5605, 0.3598



19.7711, 0.2123, 0.4934



19.7711, 0.1704, 0.1535

# Complementary

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



19.7711, 0.5605, 0.3598



37.5530, 0.2146, 0.2760

# 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.



19.7711, 0.1251, 0.1651



19.7711, 0.5605, 0.3598



19.7711, 0.1403, 0.3328

# Square

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



19.7711, 0.5605, 0.3598



19.7711, 0.3188, 0.5756



19.7711, 0.1146, 0.2179



19.7711, 0.2587, 0.1723



# Rectangle

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



19.7711, 0.5605, 0.3598



19.7711, 0.4631, 0.5038



19.7711, 0.1146, 0.2179



19.7711, 0.1510, 0.1537

# Sweetspot

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



19.7722, 0.5605, 0.3598



69.4214, 0.3601, 0.3420



19.2251, 0.3649, 0.1909



14.0447, 0.3691, 0.3441



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.



19.7722, 0.5605, 0.3598



24.5247, 0.6113, 0.3493



40.4345, 0.4601, 0.4523



12.8268, 0.3286, 0.3338



9.8330, 0.6161, 0.3490



0.7130, 0.5828, 0.3754



# Inverse Universe

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



37.5530, 0.2146, 0.2760



50.9955, 0.2070, 0.2637



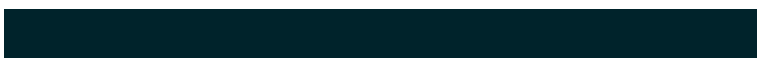
13.2744, 0.1784, 0.1389



13.6579, 0.2983, 0.3241



20.5493, 0.2063, 0.2626



1.3506, 0.2098, 0.2753



# Previews

## White Background



This preview shows how the Yxy color 19.7711, 0.5605, 0.3598 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 19.7711, 0.5605, 0.3598 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 19.7711, 0.5605, 0.3598**

## Background



This preview shows how black text looks on a background with the Yxy color 19.7711, 0.5605, 0.3598.



This preview shows how white text looks on a background with the Yxy color 19.7711, 0.5605, 0.3598.

# 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

19.7711, 0.5605, 0.3598

### Protanopia

20.0095, 0.4071, 0.4472

### Deuteranopia

19.7849, 0.4583, 0.4508



## Tritanopia

19.7480, 0.5234, 0.3256

# Trichromacy



## Original Color

19.7711, 0.5605, 0.3598

## Protanomaly

18.7450, 0.4682, 0.4110

## Deuteranomaly

18.8483, 0.5017, 0.4121

## Tritanomaly

19.7148, 0.5403, 0.3392

# Monochromacy



## Original Color

19.7711, 0.5605, 0.3598

## Achromatopsia

16.8269, 0.3127, 0.3290

## Achromatomaly

16.4960, 0.4049, 0.3517

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.7711, 0.5605, 0.3598 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(214, 77, 42)` looks like.

```
.text, #text, p{  
    color:rgb(214, 77, 42)  
}
```

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(214, 77, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 77, 42) }
```

## Border

The CSS property to change the border of an element to Yxy 19.7711, 0.5605, 0.3598 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(214, 77, 42) }
```

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

```
.border{ border-color:rgb(214, 77, 42) }
```

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

Here you see how a box with a 4 pixel rgb(214, 77, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 77, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 77, 42);  
box-shadow:4px 4px 4px 4px rgb(214, 77,  
42) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.7711, 0.5605, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 77, 42) }
```

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

```
.background{ background-color: rgb(214, 77,  
42) }
```

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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