

# Converting Colors

$Y_{xy}(24.6189, 0.4779, 0.3470)$

Have a look what the booklet for  
Yxy(24.6189, 0.4779, 0.3470)  
contains.

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**Color**

**Yxy(24.6189, 0.4779, 0.3470)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D46859
RGB	212, 104, 89
RGB Percent	83%, 41%, 35%
CMY	0.1686, 0.5921, 0.6509
CMYK	0.00, 0.51, 0.58, 0.17
HSL	7°, 59%, 59%
HSV	7°, 58%, 83%
XYZ	33.9060, 24.6189, 12.4230
YIQ	134.5820, 69.1830, 18.2310

# Conversions

## Conversions Part 2

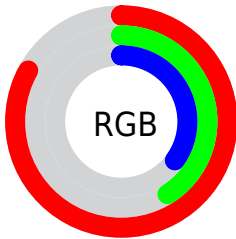
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 106, 89
Decimal	13920345
CIE <sub>Lab</sub>	56.70, 41.24, 28.35
CIE <sub>LCh</sub>	57, 50.040, 34.504
Yxy	24.6189, 0.4779, 0.3470
Android (android.graphics.Color)	4292110425 (0xFFD46859)
YUV	134.5820, -22.4719, 67.8956
Hunter-Lab	49.6174, 35.1471, 19.8875

# Details

The Yxy color **24.6189, 0.4779, 0.3470** is a dark color, and the websafe version is hex **CC6666**. The color can be described as middle muted orange. A complement of this color would be **46.8244, 0.2363, 0.3076**, and the grayscale version is **24.1329, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2380, 0.4271, 0.3481**, and **9.3058, 0.5366, 0.3417** is the 20% darker color. If you saturate the color by 10%, you get **20.9701, 0.5221, 0.3479**, and if you desaturate by 10%, it is **29.2003, 0.4369, 0.3447**.

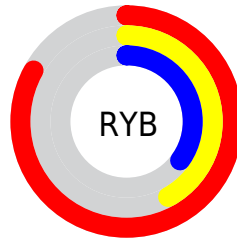
# Distribution



Red (83%)

Green (41%)

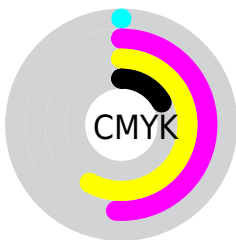
Blue (35%)



Red (83%)

Yellow (42%)

Blue (35%)

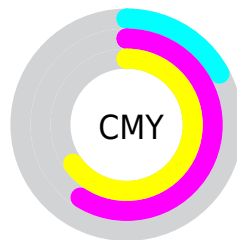


Cyan (0%)

Magenta (51%)

Yellow (58%)

Black (17%)



Cyan (17%)

Magenta (59%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6189, 0.4779, 0.3470 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 24.6189, 0.4779, 0.3470 by changing the saturation by 10% instead.





 24.6189, 0.4779,  
0.3470


 24.6189, 0.4779,  
0.3470


275.9347, 0.3865,  
0.3426


 15.7934, 0.5031,  
0.3457


 51.0383, 0.4427,  
0.3469

 9.3780, 0.5365,  
0.3422


 69.4009, 0.4301,  
0.3464

 4.9886, 0.5817,  
0.3337

 91.7114, 0.4196,  
0.3458

 2.2406, 0.6693,  
0.3261

 118.3540, 0.4109,  
0.3451

 0.7420, 0.7339,  
0.2661

 149.7133, 0.4034,  
0.3444

 0.0000, 1.0000,  
0.0000


186.1736, 0.3970,


 0.0000, 0.0000,


0.3438


0.0000


228.1192, 0.3914,  
0.3431


 24.6189, 0.4779,  
0.3470


 24.6189, 0.4779,  
0.3470


 20.9701, 0.5221,  
0.3479


 29.2003, 0.4369,  
0.3447

 18.1858, 0.5655,  
0.3468


 34.7685, 0.4012,  
0.3416


 16.1951, 0.6020,  
0.3434

 41.3780, 0.3712,  
0.3381

 14.9112, 0.6267,  
0.3383

 49.0783, 0.3464,  
0.3347

 14.7275, 0.6306,  
0.3375

 57.9157, 0.3262,  
0.3315

■ 67.9337, 0.3097,  
0.3284

■ 79.1738, 0.2962,  
0.3256

■ 91.4390, 0.2871,  
0.3268

■ 92.7370, 0.2872,  
0.3289

# Harmonies

## Analogous

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



24.6189, 0.4266, 0.2882



24.6189, 0.4779, 0.3470



24.6189, 0.4745, 0.4090

# Triad

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



24.6189, 0.4779, 0.3470



24.6189, 0.2691, 0.4516



24.6189, 0.1989, 0.2016

# Complementary

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



24.6189, 0.4779, 0.3470



46.8244, 0.2363, 0.3076

# 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.



24.6189, 0.1703, 0.2218



24.6189, 0.4779, 0.3470



24.6189, 0.2047, 0.3624

# Square

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



24.6189, 0.4779, 0.3470



24.6189, 0.3499, 0.4892



24.6189, 0.1715, 0.2755



24.6189, 0.2574, 0.2088



# Rectangle

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



24.6189, 0.4779, 0.3470



24.6189, 0.4455, 0.4478



24.6189, 0.1715, 0.2755



24.6189, 0.1860, 0.2050

# Sweetspot

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



24.6202, 0.4779, 0.3470



75.5844, 0.3446, 0.3344



25.2084, 0.3350, 0.2066



15.6343, 0.3491, 0.3351



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.



24.6202, 0.4779, 0.3470



30.5677, 0.5343, 0.3479



41.5795, 0.4272, 0.4191



12.6619, 0.3288, 0.3319



9.1701, 0.6290, 0.3388



0.6358, 0.6034, 0.3591

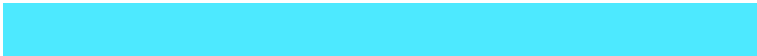


# Inverse Universe

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



46.8244, 0.2363, 0.3076



67.2065, 0.2261, 0.3022



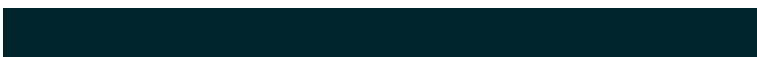
24.5351, 0.2158, 0.2132



13.8377, 0.2983, 0.3261



24.7629, 0.2140, 0.2904



1.5678, 0.2160, 0.2976



# Previews

## White Background



This preview shows how the Yxy color 24.6189, 0.4779, 0.3470 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

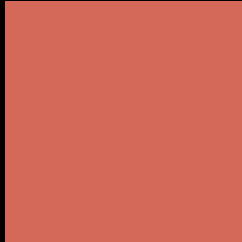
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 24.6189, 0.4779, 0.3470 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

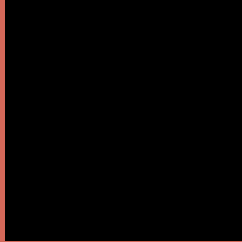
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.6189, 0.4779, 0.3470**

## Background



This preview shows how black text looks on a background with the Yxy color 24.6189, 0.4779, 0.3470.



This preview shows how white text looks on a background with the Yxy color 24.6189, 0.4779, 0.3470.

# 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

24.6189, 0.4779, 0.3470

### Protanopia

24.6786, 0.3611, 0.3865

### Deuteranopia

24.6047, 0.4080, 0.4000



## Tritanopia

24.5362, 0.4554, 0.3210

# Trichromacy



## Original Color

24.6189, 0.4779, 0.3470

## Protanomaly

23.8244, 0.4034, 0.3705

## Deuteranomaly

24.2917, 0.4336, 0.3788

## Tritanomaly

24.5885, 0.4645, 0.3306

# Monochromacy



## Original Color

24.6189, 0.4779, 0.3470

## Achromatopsia

24.2281, 0.3127, 0.3290

## Achromatomaly

23.5098, 0.3685, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.6189, 0.4779, 0.3470 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(212, 104, 89)` looks like.

```
.text, #text, p{  
    color:rgb(212, 104, 89)  
}
```

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(212, 104, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 104, 89) }
```

## Border

The CSS property to change the border of an element to Yxy 24.6189, 0.4779, 0.3470 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(212, 104, 89) }
```

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

```
.border{ border-color:rgb(212, 104, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 104, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 104, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 104, 89);  
box-shadow:4px 4px 4px 4px rgb(212, 104,  
89) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.6189, 0.4779, 0.3470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 104, 89) }
```

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

```
.background{ background-color: rgb(212,  
104, 89) }
```

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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