

Converting Colors

$Y_{xy}(24.2203, 0.4366, 0.3426)$

Have a look what the booklet for
Yxy(24.2203, 0.4366, 0.3426)
contains.

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Color

Yxy(24.2834, 0.4368, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	C47066
RGB	196, 112, 102
RGB Percent	77%, 44%, 40%
CMY	0.2315, 0.5607, 0.6000
CMYK	0.00, 0.43, 0.48, 0.23
HSL	6°, 44%, 58%
HSV	6°, 48%, 77%
XYZ	30.9512, 24.2834, 15.6244
YIQ	135.9760, 53.2740, 14.6980

Conversions

Conversions Part 2

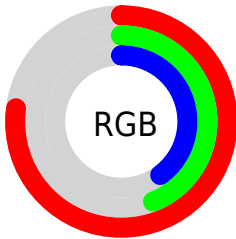
Format	Color
R _Y B	196, 113, 102
Decimal	12873830
CIE Lab	56.37, 32.05, 20.07
CIE LCh	56, 37.816, 32.053
Yxy	24.2834, 0.4368, 0.3427
Android (android.graphics.Color)	4291063910 (0xFFC47066)
YUV	135.9760, -16.7502, 52.6410
Hunter-Lab	49.2782, 25.8776, 15.6959

Details

The Yxy color **24.2834, 0.4368, 0.3427** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.9005, 0.2472, 0.3140**, and the grayscale version is **24.6614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.4702, 0.4095, 0.3419**, and **9.2101, 0.4842, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **20.4450, 0.4779, 0.3448**, and if you desaturate by 10%, it is **28.9672, 0.4010, 0.3400**.

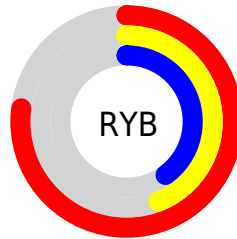
Distribution



Red (77%)

Green (44%)

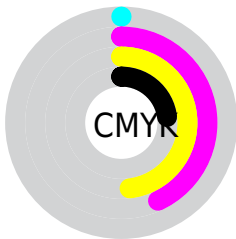
Blue (40%)



Red (77%)

Yellow (44%)

Blue (40%)

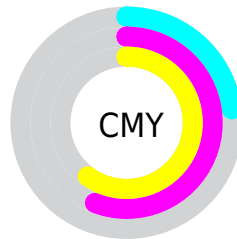


Cyan (0%)

Magenta (43%)

Yellow (48%)

Black (23%)



Cyan (23%)


Magenta (56%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2834, 0.4368, 0.3427 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 24.2834, 0.4368, 0.3427 by changing the saturation by 10% instead.


 24.2834, 0.4368,
0.3427


 24.2834, 0.4368,
0.3427


274.2501, 0.3675,
0.3380


 15.5440, 0.4566,
0.3426


 50.4923, 0.4098,
0.3418

 9.2020, 0.4835,
0.3416


 68.7305, 0.4002,
0.3412

 4.8732, 0.5217,
0.3379


 90.9038, 0.3923,
0.3406

 2.1731, 0.5833,
0.3300

 117.3966, 0.3857,
0.3400

 0.7052, 0.6957,
0.3043

148.5932, 0.3801,
0.3395

 0.0000, 1.0000,
0.0000

184.8781, 0.3753,

 0.0000, 0.0000,

0.3389

0.0000

226.6356, 0.3712,
0.3385

■ 24.2834, 0.4368,
0.3427

■ 24.2834, 0.4368,
0.3427

■ 20.4450, 0.4779,
0.3448

■ 28.9672, 0.4010,
0.3400

■ 17.3981, 0.5224,
0.3456

■ 34.5387, 0.3709,
0.3370

■ 15.0881, 0.5661,
0.3446


■ 41.0420, 0.3462,
0.3340


■ 13.4522, 0.6029,
0.3415


■ 48.5171, 0.3260,
0.3311


■ 12.4145, 0.6278,
0.3371

■ 57.0015, 0.3096,
0.3285

 12.2649, 0.6318,
0.3366

 66.5310, 0.2962,
0.3261

 77.1395, 0.2853,
0.3239

 88.6141, 0.2781,
0.3258

 90.4717, 0.2784,
0.3289

Harmonies

Analogous

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



24.2834, 0.3947, 0.2947



24.2834, 0.4368, 0.3427



24.2834, 0.4400, 0.3923

Triad

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



24.2834, 0.4368, 0.3427



24.2834, 0.2862, 0.4230



24.2834, 0.2203, 0.2288

Complementary

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



24.2834, 0.4368, 0.3427



41.9005, 0.2472, 0.3140

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.



24.2834, 0.1986, 0.2490



24.2834, 0.4368, 0.3427



24.2834, 0.2329, 0.3610

Square

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



24.2834, 0.4368, 0.3427



24.2834, 0.3499, 0.4494



24.2834, 0.2025, 0.2950



24.2834, 0.2660, 0.2321

Rectangle

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



24.2834, 0.4368, 0.3427



24.2834, 0.4211, 0.4215



24.2834, 0.2025, 0.2950



24.2834, 0.2103, 0.2327

Sweetspot

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



24.2846, 0.4368, 0.3427



79.2247, 0.3382, 0.3329



24.8028, 0.3286, 0.2237



16.3419, 0.3428, 0.3335



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.



24.2846, 0.4368, 0.3427



36.4614, 0.4821, 0.3449



37.2741, 0.4048, 0.4029



10.2471, 0.3286, 0.3315



7.9462, 0.6303, 0.3377



0.4026, 0.6010, 0.3610

Inverse Universe

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



41.9005, 0.2472, 0.3140



72.2101, 0.2364, 0.3100



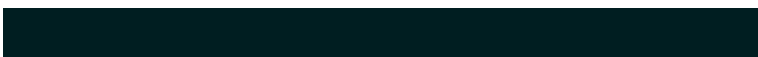
25.4434, 0.2335, 0.2400



11.2388, 0.2984, 0.3265



22.3570, 0.2154, 0.2955



1.0197, 0.2177, 0.3036

Previews

White Background



This preview shows how the Yxy color 24.2834, 0.4368, 0.3427 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 24.2834, 0.4368, 0.3427 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 24.2834, 0.4368, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 24.2834, 0.4368, 0.3427.



This preview shows how white text looks on a background with the Yxy color 24.2834, 0.4368, 0.3427.

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

24.2834, 0.4368, 0.3427

Protanopia

24.3598, 0.3457, 0.3666

Deuteranopia

24.4432, 0.3860, 0.3785



Tritanopia

24.3302, 0.4174, 0.3186

Trichromacy



Original Color

24.2834, 0.4368, 0.3427

Protanomaly

23.9643, 0.3770, 0.3578

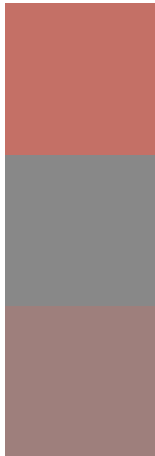
Deuteranomaly

24.0847, 0.4053, 0.3637

Tritanomaly

24.4090, 0.4251, 0.3280

Monochromacy



Original Color

24.2834, 0.4368, 0.3427

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

23.9031, 0.3538, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2834, 0.4368, 0.3427 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(196, 112, 102)` looks like.

```
.text, #text, p{  
    color:rgb(196, 112, 102)  
}
```

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(196, 112, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 112, 102) }
```

Border

The CSS property to change the border of an element to Yxy 24.2834, 0.4368, 0.3427 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(196, 112, 102) }
```

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

```
.border{ border-color:rgb(196, 112, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 112, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 112, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 112, 102);  
box-shadow:4px 4px 4px 4px rgb(196, 112,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2834, 0.4368, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 112, 102) }
```

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

```
.background{ background-color: rgb(196,  
112, 102) }
```

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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