

Converting Colors

$Y_{xy}(24.9164, 0.4542, 0.3677)$

Have a look what the booklet for
Yxy(24.9164, 0.4542, 0.3677)
contains.

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Color

Yxy(24.8984, 0.4541, 0.3684)

Conversions

Conversions Part 1

Format	Color
Hex	C47456
RGB	196, 116, 86
RGB Percent	77%, 45%, 34%
CMY	0.2314, 0.5451, 0.6627
CMYK	0.00, 0.41, 0.56, 0.23
HSL	16°, 48%, 55%
HSV	16°, 56%, 77%
XYZ	30.6905, 24.8984, 11.9964
YIQ	136.5000, 57.3100, 7.6300

Conversions

Conversions Part 2

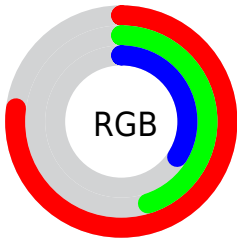
Format	Color
RYB	196, 127, 86
Decimal	12874838
CIELab	56.98, 28.47, 29.94
CIELCh	57, 41.317, 46.442
Yxy	24.8984, 0.4541, 0.3684
Android (android.graphics.Color)	4291064918 (0xFFC47456)
YUV	136.5000, -24.8965, 52.1815
Hunter-Lab	49.8983, 22.4662, 20.6745

Details

The Yxy color **24.8984, 0.4541, 0.3684** 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 **33.2423, 0.2328, 0.2820**, and the grayscale version is **24.8986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4135, 0.4236, 0.3637**, and **9.4529, 0.5040, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **21.5873, 0.4915, 0.3725**, and if you desaturate by 10%, it is **28.8031, 0.4197, 0.3623**.

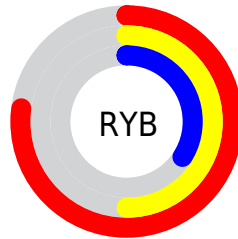
Distribution



Red (77%)

Green (45%)

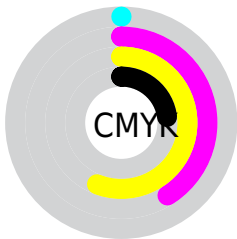
Blue (34%)



Red (77%)

Yellow (50%)

Blue (34%)

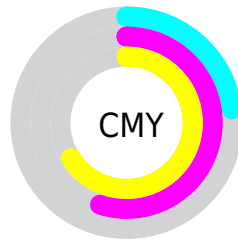


Cyan (0%)

Magenta (41%)

Yellow (56%)

Black (23%)



Cyan (23%)

Magenta (55%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.8984, 0.4541, 0.3684 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 24.8984, 0.4541, 0.3684 by changing the saturation by 10% instead.


 24.8984, 0.4541,
0.3684


 24.8984, 0.4541,
0.3684


277.3316, 0.3761,
0.3512


 16.0014, 0.4756,
0.3710


 51.4924, 0.4241,
0.3632


 9.5251, 0.5040,
0.3727


 69.9581, 0.4133,
0.3609


 5.0853, 0.5426,
0.3718

 92.3821, 0.4044,
0.3588

 2.2974, 0.6217,
0.3783

 119.1490, 0.3969,
0.3569

 0.7723, 0.6712,
0.3288

 150.6429, 0.3905,
0.3553

 0.0000, 1.0000,
0.0000

187.2484, 0.3850,

 0.0000, 0.0000,

0.3538

0.0000

229.3498, 0.3803,
0.3524

■ 24.8984, 0.4541,
0.3684

■ 24.8984, 0.4541,
0.3684

■ 21.5873, 0.4915,
0.3725

■ 28.8031, 0.4197,
0.3623

■ 18.8358, 0.5296,
0.3733

■ 33.3254, 0.3893,
0.3551

■ 16.6120, 0.5649,
0.3700

■ 38.4927, 0.3632,
0.3476

■ 14.8782, 0.5936,
0.3624

■ 44.3295, 0.3411,
0.3402

■ 14.3219, 0.6033,
0.3592

■ 50.8589, 0.3226,
0.3331

■ 58.1032, 0.3070,
0.3265

■ 66.0832, 0.2939,
0.3204

■ 74.8192, 0.2829,
0.3149

■ 83.8436, 0.2775,
0.3176

Harmonies

Analogous

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



24.8984, 0.4281, 0.3155



24.8984, 0.4541, 0.3684



24.8984, 0.4366, 0.4194

Triad

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



24.8984, 0.4541, 0.3684



24.8984, 0.2537, 0.4021



24.8984, 0.2338, 0.2205

Complementary

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



24.8984, 0.4541, 0.3684



33.2423, 0.2328, 0.2820

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.



24.8984, 0.1982, 0.2291



24.8984, 0.4541, 0.3684



24.8984, 0.2076, 0.3272

Square

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



24.8984, 0.4541, 0.3684



24.8984, 0.3188, 0.4528



24.8984, 0.1891, 0.2645



24.8984, 0.2933, 0.2349

Rectangle

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



24.8984, 0.4541, 0.3684



24.8984, 0.4055, 0.4460



24.8984, 0.1891, 0.2645



24.8984, 0.2191, 0.2206

Sweetspot

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



24.8997, 0.4541, 0.3684



79.0222, 0.3435, 0.3410



21.1722, 0.3554, 0.2278



16.4369, 0.3478, 0.3425



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.



24.8997, 0.4541, 0.3684



38.0629, 0.4989, 0.3729



41.2837, 0.4098, 0.4350



10.5148, 0.3282, 0.3353



9.3272, 0.6009, 0.3611



0.5220, 0.5555, 0.3971

Inverse Universe

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



33.2423, 0.2328, 0.2820



54.4281, 0.2201, 0.2700



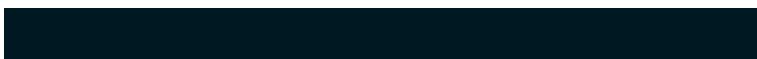
17.4831, 0.2135, 0.1908



10.9490, 0.2984, 0.3226



15.2485, 0.1997, 0.2389



0.7685, 0.2059, 0.2614

Previews

White Background



This preview shows how the Yxy color 24.8984, 0.4541, 0.3684 looks on a white background.

Color Contrast Check

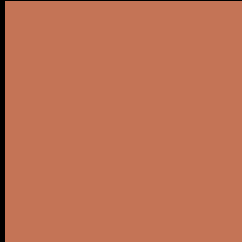
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.8984, 0.4541, 0.3684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

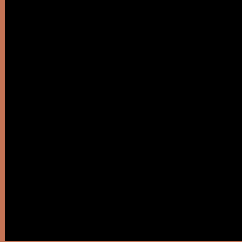
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.8984, 0.4541, 0.3684

Background



This preview shows how black text looks on a background with the Yxy color 24.8984, 0.4541, 0.3684.



This preview shows how white text looks on a background with the Yxy color 24.8984, 0.4541, 0.3684.

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

24.8984, 0.4541, 0.3684

Protanopia

24.9954, 0.3717, 0.4008

Deuteranopia

24.9641, 0.4095, 0.4024



Tritanopia

24.9502, 0.4147, 0.3187

Trichromacy



Original Color

24.8984, 0.4541, 0.3684

Protanomaly

24.4552, 0.4009, 0.3882

Deuteranomaly

24.9089, 0.4258, 0.3900

Tritanomaly

24.7633, 0.4293, 0.3360

Monochromacy



Original Color

24.8984, 0.4541, 0.3684

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.2776, 0.3603, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.8984, 0.4541, 0.3684 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, 116, 86)` looks like.

```
.text, #text, p{  
    color:rgb(196, 116, 86)  
}
```

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, 116, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 116, 86) }
```

Border

The CSS property to change the border of an element to Yxy 24.8984, 0.4541, 0.3684 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, 116, 86) }
```

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

```
.border{ border-color:rgb(196, 116, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 116, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 116, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 116, 86);  
box-shadow:4px 4px 4px 4px rgb(196, 116,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 24.8984, 0.4541, 0.3684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 116, 86) }
```

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

```
.background{ background-color: rgb(196,  
116, 86) }
```

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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