

Converting Colors

$Y_{xy}(21.4343, 0.4818, 0.3542)$

Have a look what the booklet for
Yxy(21.4343, 0.4818, 0.3542)
contains.

Yxy(21.4940, 0.4807, 0.3543)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4940, 0.4807, 0.3543)

Conversions

Conversions Part 1

Format	Color
Hex	C6634F
RGB	198, 99, 79
RGB Percent	78%, 39%, 31%
CMY	0.2235, 0.6117, 0.6902
CMYK	0.00, 0.50, 0.60, 0.22
HSL	10°, 51%, 54%
HSV	10°, 60%, 78%
XYZ	29.1622, 21.4940, 10.0099
YIQ	126.3210, 65.4240, 14.7680

Conversions

Conversions Part 2

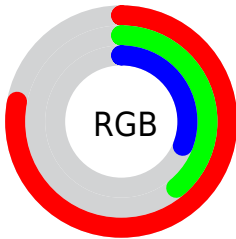
Format	Color
R_{YB}	198, 103, 79
Decimal	13001551
CIE _{Lab}	53.49, 37.72, 29.54
CIE _{LCh}	53, 47.913, 38.061
Yxy	21.4940, 0.4807, 0.3543
Android (android.graphics.Color)	4291191631 (0xFFC6634F)
YUV	126.3210, -23.3293, 62.8625
Hunter-Lab	46.3616, 31.1465, 19.6519

Details

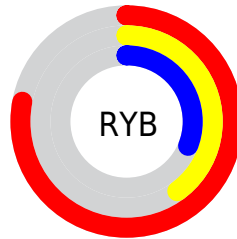
The Yxy color **21.4940, 0.4807, 0.3543** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **37.5812, 0.2327, 0.2981**, and the grayscale version is **21.0444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3015, 0.4399, 0.3532**, and **7.7184, 0.5431, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **18.4390, 0.5232, 0.3555**, and if you desaturate by 10%, it is **25.2737, 0.4408, 0.3513**.

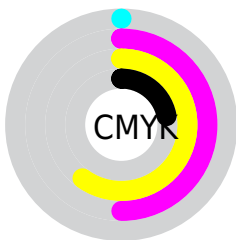
Distribution



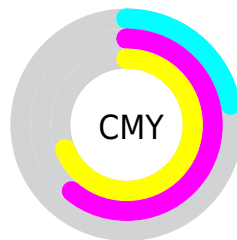
- Red (78%)
- Green (39%)
- Blue (31%)



- Red (78%)
- Yellow (40%)
- Blue (31%)



- Cyan (0%)
- Magenta (50%)
- Yellow (60%)
- Black (22%)




- Cyan (22%)
- Magenta (61%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4940, 0.4807, 0.3543 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 21.4940, 0.4807, 0.3543 by changing the saturation by 10% instead.


 21.4940, 0.4807,
0.3543


 21.4940, 0.4807,
0.3543


259.8923, 0.3861,
0.3460


 13.4856, 0.5074,
0.3536


 45.9083, 0.4439,
0.3530


 7.7638, 0.5429,
0.3504


 63.0829, 0.4307,
0.3519


 3.9442, 0.5920,
0.3416

 84.0817, 0.4199,
0.3508

 1.6424, 0.6746,
0.3254

 109.2891, 0.4109,
0.3497

 0.3859, 0.7804,
0.2196

 139.0894, 0.4033,
0.3487

 0.0000, 1.0000,
0.0000

173.8671, 0.3967,

 0.0000, 0.0000,

0.3477

0.0000

214.0066, 0.3910,
0.3468

■ 21.4940, 0.4807,
0.3543

■ 21.4940, 0.4807,
0.3543

■ 18.4390, 0.5232,
0.3555

■ 25.2737, 0.4408,
0.3513

■ 16.0586, 0.5645,
0.3539

■ 29.8173, 0.4056,
0.3471

■ 14.3011, 0.5992,
0.3493

■ 35.1652, 0.3755,
0.3425

■ 13.1090, 0.6237,
0.3430

■ 41.3539, 0.3505,
0.3378

■ 48.4176, 0.3299,
0.3333

■ 56.3889, 0.3129,
0.3290

■ 65.2982, 0.2989,
0.3252

■ 75.1750, 0.2873,
0.3216

■ 85.9042, 0.2788,
0.3207

Harmonies

Analogous

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



21.4940, 0.4354, 0.2947



21.4940, 0.4807, 0.3543



21.4940, 0.4709, 0.4163

Triad

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



21.4940, 0.4807, 0.3543



21.4940, 0.2601, 0.4431



21.4940, 0.2041, 0.2009

Complementary

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



21.4940, 0.4807, 0.3543



37.5812, 0.2327, 0.2981

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.



21.4940, 0.1719, 0.2176



21.4940, 0.4807, 0.3543



21.4940, 0.1989, 0.3510

Square

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



21.4940, 0.4807, 0.3543



21.4940, 0.3402, 0.4887



21.4940, 0.1695, 0.2671



21.4940, 0.2661, 0.2112

Rectangle

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



21.4940, 0.4807, 0.3543



21.4940, 0.4388, 0.4542



21.4940, 0.1695, 0.2671



21.4940, 0.1900, 0.2032

Sweetspot

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



21.4951, 0.4807, 0.3543



75.3984, 0.3464, 0.3369



20.8198, 0.3435, 0.2095



15.3937, 0.3531, 0.3383



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.



21.4951, 0.4807, 0.3543



31.2734, 0.5359, 0.3553



37.1389, 0.4264, 0.4282



10.9202, 0.3285, 0.3329



8.6113, 0.6219, 0.3444



0.4999, 0.5849, 0.3738

Inverse Universe

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



37.5812, 0.2327, 0.2981



61.9629, 0.2220, 0.2904



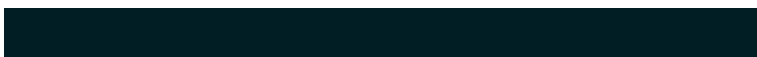
18.8553, 0.2106, 0.1988



11.7524, 0.2984, 0.3250



20.1955, 0.2097, 0.2750



1.0390, 0.2132, 0.2874

Previews

White Background



This preview shows how the Yxy color 21.4940, 0.4807, 0.3543 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 21.4940, 0.4807, 0.3543 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 21.4940, 0.4807, 0.3543

Background



This preview shows how black text looks on a background with the Yxy color 21.4940, 0.4807, 0.3543.



This preview shows how white text looks on a background with the Yxy color 21.4940, 0.4807, 0.3543.

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

21.4940, 0.4807, 0.3543

Protanopia

21.5969, 0.3673, 0.3949

Deuteranopia

21.4950, 0.4133, 0.4049



Tritanopia

21.4672, 0.4516, 0.3217

Trichromacy



Original Color

21.4940, 0.4807, 0.3543

Protanomaly

20.8843, 0.4081, 0.3775

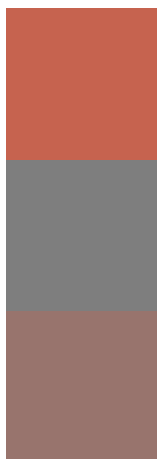
Deuteranomaly

21.2144, 0.4385, 0.3858

Tritanomaly

21.4997, 0.4627, 0.3333

Monochromacy



Original Color

21.4940, 0.4807, 0.3543

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.2703, 0.3693, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4940, 0.4807, 0.3543 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(198, 99, 79)` looks like.

```
.text, #text, p{  
    color:rgb(198, 99, 79)  
}
```

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(198, 99, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 99, 79) }
```

Border

The CSS property to change the border of an element to Yxy 21.4940, 0.4807, 0.3543 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(198, 99, 79) }
```

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

```
.border{ border-color:rgb(198, 99, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 99, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 99, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 99, 79);  
box-shadow:4px 4px 4px 4px rgb(198, 99,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4940, 0.4807, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 99, 79) }
```

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

```
.background{ background-color: rgb(198, 99,  
79) }
```

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