

Converting Colors

$Y_{xy}(21.0534, 0.4137, 0.3586)$

Have a look what the booklet for
Yxy(21.0534, 0.4137, 0.3586)
contains.

Yxy(21.0534, 0.4137, 0.3586)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0534, 0.4137, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	A9715E
RGB	169, 113, 94
RGB Percent	66%, 44%, 37%
CMY	0.3372, 0.5569, 0.6315
CMYK	0.00, 0.33, 0.44, 0.34
HSL	15°, 30%, 52%
HSV	15°, 44%, 66%
XYZ	24.2883, 21.0534, 13.3683
YIQ	127.5780, 39.4750, 5.9630

Conversions

Conversions Part 2

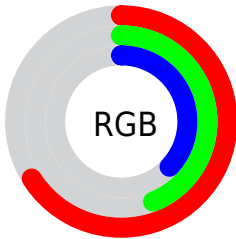
Format	Color
R _{YB}	169, 119, 94
Decimal	11104606
CIE Lab	53.01, 19.84, 19.58
CIE LCh	53, 27.873, 44.613
Yxy	21.0534, 0.4137, 0.3586
Android (android.graphics.Color)	4289294686 (0xFFA9715E)
YUV	127.5780, -16.5540, 36.3271
Hunter-Lab	45.8840, 14.1906, 14.8447

Details

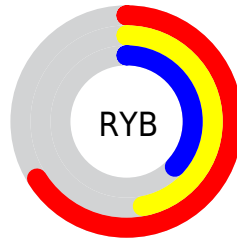
The Yxy color **21.0534, 0.4137, 0.3586** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.0519, 0.2484, 0.2963**, and the grayscale version is **21.4810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1234, 0.3903, 0.3527**, and **7.5714, 0.4524, 0.3658** is the 20% darker color. If you saturate the color by 10%, you get **18.1615, 0.4476, 0.3645**, and if you desaturate by 10%, it is **24.4052, 0.3841, 0.3519**.

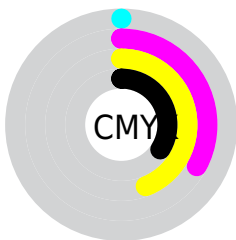
Distribution



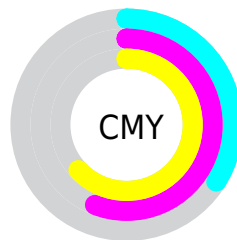
- Red (66%)
- Green (44%)
- Blue (37%)



- Red (66%)
- Yellow (47%)
- Blue (37%)



- Cyan (0%)
- Magenta (33%)
- Yellow (44%)
- Black (34%)





- Cyan (34%)
- Magenta (56%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0534, 0.4137, 0.3586 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 21.0534, 0.4137, 0.3586 by changing the saturation by 10% instead.


 21.0534, 0.4137,
0.3586

 21.0534, 0.4137,
0.3586


257.5621, 0.3562,
0.3440


 13.1630, 0.4308,
0.3618


 45.1764, 0.3909,
0.3535

 7.5409, 0.4544,
0.3652


 62.1778, 0.3829,
0.3515

 3.8026, 0.4890,
0.3682

 82.9850, 0.3764,
0.3498

 1.5638, 0.5674,
0.3837

 107.9825, 0.3710,
0.3483

 0.3330, 0.7063,
0.2937

137.5545, 0.3664,
0.3470

 0.0000, 0.0000,
0.0000

172.0855, 0.3625,

0.3459

211.9600, 0.3591,
0.3449

■ 21.0534, 0.4137,
0.3586

■ 21.0534, 0.4137,
0.3586

■ 18.1615, 0.4476,
0.3645

■ 24.4052, 0.3841,
0.3519

■ 15.7058, 0.4848,
0.3687

■ 28.2329, 0.3588,
0.3449

■ 13.6655, 0.5235,
0.3701


■ 32.5554, 0.3375,
0.3381


■ 12.0163, 0.5602,
0.3677


■ 37.3899, 0.3196,
0.3317


■ 10.7313, 0.5910,
0.3613


■ 42.7526, 0.3047,
0.3257

 10.1527, 0.6058,
0.3571

 48.6589, 0.2921,
0.3202

 55.1236, 0.2816,
0.3152

 62.1612, 0.2727,
0.3106

 69.7852, 0.2651,
0.3065

Harmonies

Analogous

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



21.0534, 0.3927, 0.3185



21.0534, 0.4137, 0.3586



21.0534, 0.4047, 0.3955

Triad

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



21.0534, 0.4137, 0.3586



21.0534, 0.2737, 0.3826



21.0534, 0.2530, 0.2482

Complementary

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



21.0534, 0.4137, 0.3586



27.0519, 0.2484, 0.2963

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.



21.0534, 0.2267, 0.2573



21.0534, 0.4137, 0.3586



21.0534, 0.2376, 0.3324

Square

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



21.0534, 0.4137, 0.3586



21.0534, 0.3222, 0.4158



21.0534, 0.2213, 0.2864



21.0534, 0.2966, 0.2577

Rectangle

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



21.0534, 0.4137, 0.3586



21.0534, 0.3840, 0.4133



21.0534, 0.2213, 0.2864



21.0534, 0.2421, 0.2490

Sweetspot

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



21.0544, 0.4137, 0.3586



59.2558, 0.3352, 0.3374



18.6479, 0.3419, 0.2462



12.5343, 0.3394, 0.3388



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0544, 0.4137, 0.3586



32.7363, 0.4460, 0.3642



31.1368, 0.3884, 0.4123



7.8400, 0.3280, 0.3348



7.6409, 0.6041, 0.3586



0.2652, 0.5423, 0.4076

Inverse Universe

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



27.0519, 0.2484, 0.2963



44.7724, 0.2367, 0.2879



16.9952, 0.2368, 0.2280



8.2052, 0.2987, 0.3231



13.3740, 0.2017, 0.2463



0.4001, 0.2102, 0.2767

Previews

White Background



This preview shows how the Yxy color 21.0534, 0.4137, 0.3586 looks on a white background.

Color Contrast Check

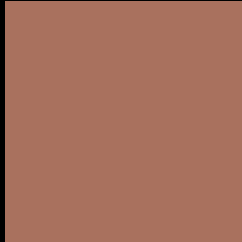
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0534, 0.4137, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

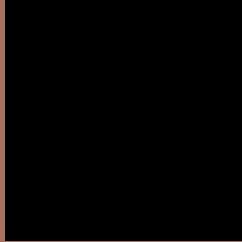
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0534, 0.4137, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 21.0534, 0.4137, 0.3586.



This preview shows how white text looks on a background with the Yxy color 21.0534, 0.4137, 0.3586.

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

21.0534, 0.4137, 0.3586

Protanopia

21.2497, 0.3535, 0.3778

Deuteranopia

21.1758, 0.3853, 0.3800



Tritanopia

21.1178, 0.3849, 0.3170

Trichromacy



Original Color

21.0534, 0.4137, 0.3586

Protanomaly

21.0040, 0.3739, 0.3705

Deuteranomaly

21.1521, 0.3951, 0.3719

Tritanomaly

21.0191, 0.3956, 0.3323

Monochromacy



Original Color

21.0534, 0.4137, 0.3586

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.2665, 0.3460, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0534, 0.4137, 0.3586 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(169, 113, 94)` looks like.

```
.text, #text, p{  
    color:rgb(169, 113, 94)  
}
```

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(169, 113, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 113, 94) }
```

Border

The CSS property to change the border of an element to Yxy 21.0534, 0.4137, 0.3586 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(169, 113, 94) }
```

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

```
.border{ border-color:rgb(169, 113, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 113, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 113, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 113, 94);  
box-shadow:4px 4px 4px 4px rgb(169, 113,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0534, 0.4137, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 113, 94) }
```

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

```
.background{ background-color: rgb(169,  
113, 94) }
```

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