

Converting Colors

$Y_{xy}(21.8212, 0.4128, 0.3640)$

Have a look what the booklet for
Yxy(21.8212, 0.4128, 0.3640)
contains.

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Color

Yxy(21.8450, 0.4128, 0.3630)

Conversions

Conversions Part 1

Format	Color
Hex	AA745E
RGB	170, 116, 94
RGB Percent	67%, 45%, 37%
CMY	0.3334, 0.5451, 0.6314
CMYK	0.00, 0.32, 0.45, 0.33
HSL	17°, 31%, 52%
HSV	17°, 45%, 67%
XYZ	24.8419, 21.8450, 13.4921
YIQ	129.6380, 39.2460, 4.6060

Conversions

Conversions Part 2

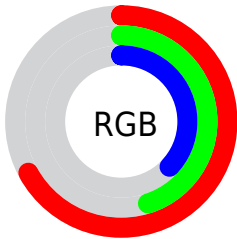
Format	Color
R_{YB}	170, 125, 94
Decimal	11170910
CIE _{Lab}	53.86, 18.55, 20.74
CIE _{LCh}	54, 27.829, 48.190
Yxy	21.8450, 0.4128, 0.3630
Android (android.graphics.Color)	4289360990 (0xFFAA745E)
YUV	129.6380, -17.5695, 35.3975
Hunter-Lab	46.7386, 13.0814, 15.6017

Details

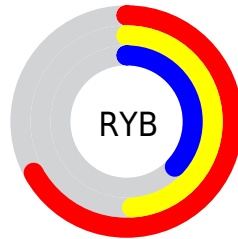
The Yxy color **21.8450, 0.4128, 0.3630** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.4506, 0.2471, 0.2911**, and the grayscale version is **22.2416, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3805, 0.3900, 0.3561**, and **7.8725, 0.4514, 0.3697** is the 20% darker color. If you saturate the color by 10%, you get **18.9686, 0.4456, 0.3697**, and if you desaturate by 10%, it is **25.1525, 0.3839, 0.3553**.

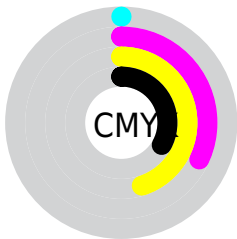
Distribution



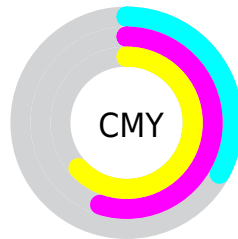
- Red (67%)
- Green (45%)
- Blue (37%)



- Red (67%)
- Yellow (49%)
- Blue (37%)



- Cyan (0%)
- Magenta (32%)
- Yellow (45%)
- Black (33%)




- Cyan (33%)
- Magenta (55%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8450, 0.4128, 0.3630 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 21.8450, 0.4128, 0.3630 by changing the saturation by 10% instead.


 21.8450, 0.4128,
0.3630


 21.8450, 0.4128,
0.3630


261.7358, 0.3561,
0.3460


 13.7431, 0.4294,
0.3668


 46.4897, 0.3904,
0.3570

 7.9422, 0.4523,
0.3712


 63.8012, 0.3826,
0.3547

 4.0580, 0.4854,
0.3755

 84.9514, 0.3762,
0.3527

 1.7060, 0.5576,
0.3917

 110.3246, 0.3708,
0.3510

 0.4276, 0.6678,
0.3322

140.3052, 0.3663,
0.3495

 0.0000, 0.0000,
0.0000

175.2777, 0.3624,

0.3482

215.6264, 0.3591,
0.3470

■ 21.8450, 0.4128,
0.3630

■ 21.8450, 0.4128,
0.3630

■ 18.9686, 0.4456,
0.3697

■ 25.1525, 0.3839,
0.3553

■ 16.5019, 0.4814,
0.3746

■ 28.9051, 0.3591,
0.3474

■ 14.4262, 0.5185,
0.3765


■ 33.1200, 0.3379,
0.3397

■ 12.7199, 0.5538,
0.3744


■ 37.8126, 0.3201,
0.3323


■ 11.3589, 0.5836,
0.3678


■ 42.9975, 0.3051,
0.3254

 10.7641, 0.5976,
0.3637

 48.6887, 0.2924,
0.3191

 54.8995, 0.2817,
0.3134

 61.6429, 0.2727,
0.3081

 68.9313, 0.2649,
0.3033

Harmonies

Analogous

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



21.8450, 0.3955, 0.3233



21.8450, 0.4128, 0.3630



21.8450, 0.4006, 0.3984

Triad

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



21.8450, 0.4128, 0.3630



21.8450, 0.2692, 0.3764



21.8450, 0.2581, 0.2494

Complementary

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



21.8450, 0.4128, 0.3630



26.4506, 0.2471, 0.2911

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.



21.8450, 0.2299, 0.2561



21.8450, 0.4128, 0.3630



21.8450, 0.2355, 0.3264

Square

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



21.8450, 0.4128, 0.3630



21.8450, 0.3162, 0.4121



21.8450, 0.2219, 0.2826



21.8450, 0.3027, 0.2608

Rectangle

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



21.8450, 0.4128, 0.3630



21.8450, 0.3785, 0.4144



21.8450, 0.2219, 0.2826



21.8450, 0.2466, 0.2495

Sweetspot

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



21.8461, 0.4128, 0.3630



61.3011, 0.3351, 0.3385



18.7002, 0.3456, 0.2490



13.2797, 0.3393, 0.3402



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.8461, 0.4128, 0.3630



34.2912, 0.4465, 0.3699



32.3083, 0.3875, 0.4162



7.8833, 0.3279, 0.3356



8.0040, 0.5957, 0.3652



0.2813, 0.5327, 0.4152

Inverse Universe

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



26.4506, 0.2471, 0.2911



43.6915, 0.2342, 0.2807



16.5302, 0.2354, 0.2224



8.1593, 0.2987, 0.3223



12.2466, 0.1982, 0.2336



0.3793, 0.2080, 0.2688

Previews

White Background



This preview shows how the Yxy color 21.8450, 0.4128, 0.3630 looks on a white background.

Color Contrast Check

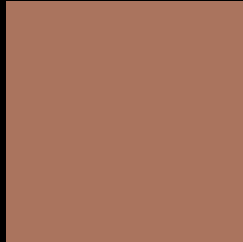
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8450, 0.4128, 0.3630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

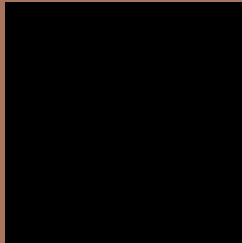
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8450, 0.4128, 0.3630

Background



This preview shows how black text looks on a background with the Yxy color 21.8450, 0.4128, 0.3630.



This preview shows how white text looks on a background with the Yxy color 21.8450, 0.4128, 0.3630.

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

21.8450, 0.4128, 0.3630

Protanopia

22.0239, 0.3565, 0.3805

Deuteranopia

21.9779, 0.3867, 0.3808



Tritanopia

21.7395, 0.3811, 0.3155

Trichromacy



Original Color

21.8450, 0.4128, 0.3630

Protanomaly

21.7812, 0.3767, 0.3731

Deuteranomaly

21.8360, 0.3964, 0.3745

Tritanomaly

21.6159, 0.3931, 0.3323

Monochromacy



Original Color

21.8450, 0.4128, 0.3630

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9713, 0.3467, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8450, 0.4128, 0.3630 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(170, 116, 94)` looks like.

```
.text, #text, p{  
    color:rgb(170, 116, 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(170, 116, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 116, 94) }
```

Border

The CSS property to change the border of an element to Yxy 21.8450, 0.4128, 0.3630 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(170, 116, 94) }
```

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

```
.border{ border-color:rgb(170, 116, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 116, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 116, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 116, 94);  
box-shadow:4px 4px 4px 4px rgb(170, 116,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8450, 0.4128, 0.3630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 116, 94) }
```

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

```
.background{ background-color: rgb(170,  
116, 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](#).

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