

Converting Colors

$Y_{xy}(21.6743, 0.4354, 0.3876)$

Have a look what the booklet for
Yxy(21.6743, 0.4354, 0.3876)
contains.

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Color

Yxy(21.6845, 0.4355, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	AB744D
RGB	171, 116, 77
RGB Percent	67%, 45%, 30%
CMY	0.3293, 0.5451, 0.6980
CMYK	0.00, 0.32, 0.55, 0.33
HSL	25°, 38%, 49%
HSV	25°, 55%, 67%
XYZ	24.3832, 21.6845, 9.9212
YIQ	127.9990, 45.2990, -0.4690

Conversions

Conversions Part 2

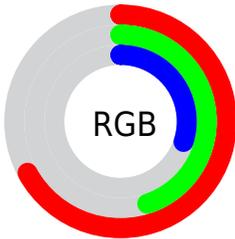
Format	Color
RYB	171, 144, 77
Decimal	11236429
CIELab	53.69, 17.31, 30.16
CIElCh	54, 34.774, 60.143
Yxy	21.6845, 0.4355, 0.3873
Android (android.graphics.Color)	4289426509 (0xFFAB744D)
YUV	127.9990, -25.1425, 37.7119
Hunter-Lab	46.5666, 11.9744, 19.9646

Details

The Yxy color **21.6845, 0.4355, 0.3873** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.0291, 0.2296, 0.2586**, and the grayscale version is **21.6638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1956, 0.4087, 0.3765**, and **7.9462, 0.4809, 0.4015** is the 20% darker color. If you saturate the color by 10%, you get **19.2904, 0.4661, 0.3950**, and if you desaturate by 10%, it is **24.3929, 0.4068, 0.3775**.

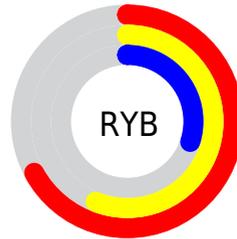
Distribution



Red (67%)

Green (45%)

Blue (30%)



Red (67%)

Yellow (56%)

Blue (30%)

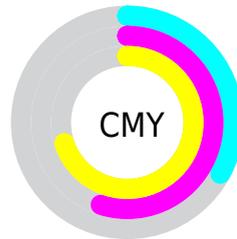


Cyan (0%)

Magenta (32%)

Yellow (55%)

Black (33%)



Cyan (33%)

Magenta (55%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6845, 0.4355, 0.3873 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 21.6845, 0.4355, 0.3873 by changing the saturation by 10% instead.

 21.6845, 0.4355,
0.3873

 21.6845, 0.4355,
0.3873

260.8942, 0.3667,
0.3581

 13.6253, 0.4549,
0.3937

 46.2240, 0.4087,
0.3771

 7.8605, 0.4807,
0.4006

 63.4730, 0.3992,
0.3731

 4.0058, 0.5168,
0.4072

 84.5541, 0.3914,
0.3696

 1.6768, 0.5817,
0.4183

 109.8517, 0.3848,
0.3667

 0.4086, 0.6650,
0.3350

 139.7500, 0.3792,
0.3641

 0.0000, 0.0000,
0.0000

174.6337, 0.3744,

0.3618

214.8869, 0.3703,
0.3598

■ 21.6845, 0.4355,
0.3873

■ 21.6845, 0.4355,
0.3873

■ 19.2904, 0.4661,
0.3950

■ 24.3929, 0.4068,
0.3775

■ 17.1945, 0.4972,
0.3993

■ 27.4245, 0.3808,
0.3666

■ 15.3837, 0.5268,
0.3991

■ 30.7916, 0.3578,
0.3554

■ 13.8421, 0.5525,
0.3936

■ 34.5049, 0.3378,
0.3445

■ 13.1578, 0.5645,
0.3900

■ 38.5746, 0.3204,
0.3340

■ 43.0104, 0.3055,
0.3242

■ 47.8216, 0.2926,
0.3151

■ 53.0173, 0.2816,
0.3067

■ 58.6059, 0.2720,
0.2991

Harmonies

Analogous

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



21.6845, 0.4297, 0.3395



21.6845, 0.4355, 0.3873



21.6845, 0.4058, 0.4273

Triad

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



21.6845, 0.4355, 0.3873



21.6845, 0.2391, 0.3639



21.6845, 0.2647, 0.2351

Complementary

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



21.6845, 0.4355, 0.3873



21.0291, 0.2296, 0.2586

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.



21.6845, 0.2220, 0.2333



21.6845, 0.4355, 0.3873



21.6845, 0.2081, 0.3004

Square

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



21.6845, 0.4355, 0.3873



21.6845, 0.2914, 0.4211



21.6845, 0.2025, 0.2546



21.6845, 0.3250, 0.2566

Rectangle

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



21.6845, 0.4355, 0.3873



21.6845, 0.3719, 0.4421



21.6845, 0.2025, 0.2546



21.6845, 0.2481, 0.2321

Sweetspot

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



21.6856, 0.4355, 0.3873



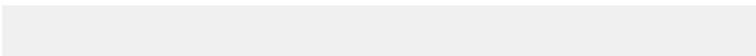
60.8745, 0.3402, 0.3459



15.6730, 0.3734, 0.2468



13.2725, 0.3441, 0.3480



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.



21.6856, 0.4355, 0.3873



33.6716, 0.4729, 0.3963



34.9033, 0.3972, 0.4474



8.5406, 0.3276, 0.3384



10.0153, 0.5628, 0.3913



0.3882, 0.5092, 0.4339

Inverse Universe

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



21.0291, 0.2296, 0.2586



32.3125, 0.2140, 0.2395



11.2388, 0.2119, 0.1729



8.5067, 0.2986, 0.3194



9.2049, 0.1860, 0.1895



0.3607, 0.1990, 0.2364

Previews

White Background



This preview shows how the Yxy color 21.6845, 0.4355, 0.3873 looks on a white background.

Color Contrast Check

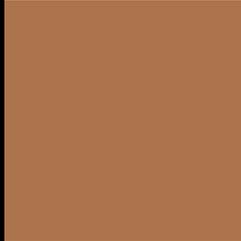
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6845, 0.4355, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

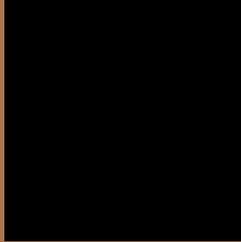
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

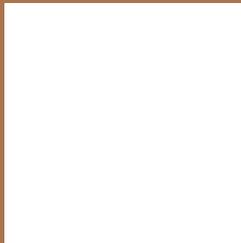
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.6845, 0.4355, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 21.6845, 0.4355, 0.3873.



This preview shows how white text looks on a background with the Yxy color 21.6845, 0.4355, 0.3873.

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

21.6845, 0.4355, 0.3873

Protanopia

21.8852, 0.3794, 0.4112

Deuteranopia

21.7556, 0.4113, 0.4049



Tritanopia

21.6995, 0.3869, 0.3172

Trichromacy



Original Color

21.6845, 0.4355, 0.3873

Protanomaly

21.5738, 0.3995, 0.4024

Deuteranomaly

21.5318, 0.4204, 0.3984

Tritanomaly

21.6940, 0.4052, 0.3429

Monochromacy



Original Color

21.6845, 0.4355, 0.3873

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.4487, 0.3555, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6845, 0.4355, 0.3873 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(171, 116, 77)` looks like.

```
.text, #text, p{  
    color:rgb(171, 116, 77)  
}
```

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(171, 116, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 116, 77) }
```

Border

The CSS property to change the border of an element to Yxy 21.6845, 0.4355, 0.3873 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(171, 116, 77) }
```

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

```
.border{ border-color:rgb(171, 116, 77) }
```

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

Here you see how a box with a 4 pixel rgb(171, 116, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 116, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 116, 77);  
box-shadow:4px 4px 4px 4px rgb(171, 116,  
77) }
```

Background

The CSS property to change the background color of an element to Yxy 21.6845, 0.4355, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 116, 77) }
```

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

```
.background{ background-color: rgb(171,  
116, 77) }
```

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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