

Converting Colors

$Y_{xy}(21.2704, 0.4185, 0.3720)$

Have a look what the booklet for
Yxy(21.2704, 0.4185, 0.3720)
contains.

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Color

Yxy(21.1815, 0.4175, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	A77358
RGB	167, 115, 88
RGB Percent	65%, 45%, 35%
CMY	0.3451, 0.5490, 0.6549
CMYK	0.00, 0.31, 0.47, 0.35
HSL	21°, 31%, 50%
HSV	21°, 47%, 65%
XYZ	23.8299, 21.1815, 12.0662
YIQ	127.4700, 39.6590, 2.6270

Conversions

Conversions Part 2

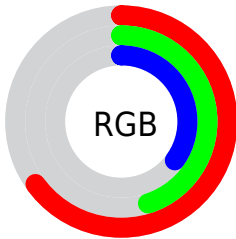
Format	Color
R_{YB}	167, 129, 88
Decimal	10974040
CIE _{Lab}	53.15, 17.23, 23.15
CIE _{LCh}	53, 28.863, 53.344
Yxy	21.1815, 0.4175, 0.3711
Android (android.graphics.Color)	4289164120 (0xFFA77358)
YUV	127.4700, -19.4587, 34.6678
Hunter-Lab	46.0234, 11.8825, 16.6720

Details

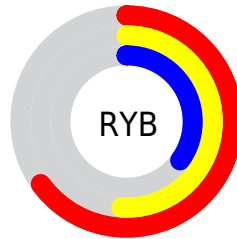
The Yxy color **21.1815, 0.4175, 0.3711** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **23.6256, 0.2425, 0.2811**, and the grayscale version is **21.4525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3197, 0.3942, 0.3635**, and **7.6262, 0.4573, 0.3829** is the 20% darker color. If you saturate the color by 10%, you get **18.5770, 0.4493, 0.3787**, and if you desaturate by 10%, it is **24.1506, 0.3890, 0.3623**.

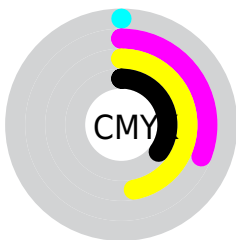
Distribution



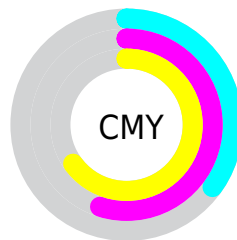
- Red (65%)
- Green (45%)
- Blue (35%)



- Red (65%)
- Yellow (51%)
- Blue (35%)



- Cyan (0%)
- Magenta (31%)
- Yellow (47%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1815, 0.4175, 0.3711 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 21.1815, 0.4175, 0.3711 by changing the saturation by 10% instead.


 21.1815, 0.4175,
0.3711


 21.1815, 0.4175,
0.3711


258.2415, 0.3580,
0.3497


 13.2567, 0.4349,
0.3760


 45.3894, 0.3941,
0.3635

 7.6056, 0.4587,
0.3817


 62.4413, 0.3858,
0.3605


 3.8436, 0.4930,
0.3874

 83.3044, 0.3791,
0.3580

 1.5865, 0.5829,
0.4171

 108.3631, 0.3735,
0.3559

 0.3485, 0.6833,
0.3167

 138.0018, 0.3687,
0.3540

 0.0000, 0.0000,
0.0000

172.6048, 0.3646,

0.3524

212.5566, 0.3611,
0.3510

■ 21.1815, 0.4175,
0.3711

■ 21.1815, 0.4175,
0.3711

■ 18.5770, 0.4493,
0.3787

■ 24.1506, 0.3890,
0.3623

■ 16.3191, 0.4833,
0.3841

■ 27.4950, 0.3641,
0.3530

■ 14.3928, 0.5178,
0.3860

■ 31.2290, 0.3426,
0.3438

■ 12.7806, 0.5499,
0.3834

■ 35.3650, 0.3243,
0.3351

■ 11.4609, 0.5772,
0.3763

■ 39.9150, 0.3088,
0.3268

■ 11.1489, 0.5843,
0.3743

■ 44.8902, 0.2955,
0.3192

■ 50.3017, 0.2842,
0.3123

■ 56.1600, 0.2746,
0.3059

■ 62.4751, 0.2663,
0.3001

Harmonies

Analogous

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



21.1815, 0.4048, 0.3298



21.1815, 0.4175, 0.3711



21.1815, 0.3995, 0.4065

Triad

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



21.1815, 0.4175, 0.3711



21.1815, 0.2598, 0.3702



21.1815, 0.2626, 0.2468

Complementary

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



21.1815, 0.4175, 0.3711



23.6256, 0.2425, 0.2811

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.



21.1815, 0.2299, 0.2502



21.1815, 0.4175, 0.3711



21.1815, 0.2281, 0.3173

Square

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



21.1815, 0.4175, 0.3711



21.1815, 0.3072, 0.4120



21.1815, 0.2178, 0.2740



21.1815, 0.3113, 0.2616

Rectangle

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



21.1815, 0.4175, 0.3711



21.1815, 0.3740, 0.4211



21.1815, 0.2178, 0.2740



21.1815, 0.2496, 0.2457

Sweetspot

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



21.1825, 0.4175, 0.3711



58.1056, 0.3367, 0.3411



17.1102, 0.3539, 0.2501



12.6676, 0.3408, 0.3430



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.



21.1825, 0.4175, 0.3711



32.9519, 0.4517, 0.3792



31.9796, 0.3893, 0.4260



7.9458, 0.3277, 0.3368



8.6139, 0.5825, 0.3756



0.3043, 0.5202, 0.4251

Inverse Universe

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



23.6256, 0.2425, 0.2811



37.8139, 0.2286, 0.2679



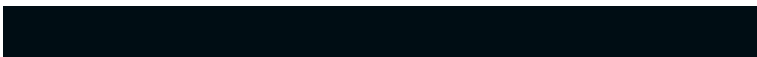
14.2064, 0.2293, 0.2078



8.0939, 0.2987, 0.3211



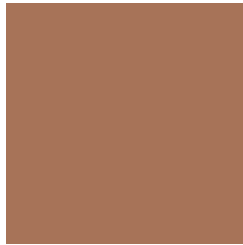
10.7518, 0.1931, 0.2153



0.3509, 0.2048, 0.2573

Previews

White Background



This preview shows how the Yxy color 21.1815, 0.4175, 0.3711 looks on a white background.

Color Contrast Check

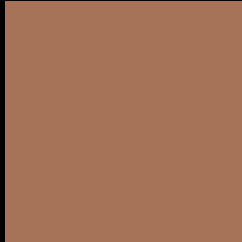
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1815, 0.4175, 0.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

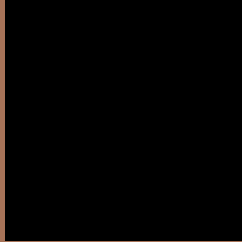
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1815, 0.4175, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 21.1815, 0.4175, 0.3711.



This preview shows how white text looks on a background with the Yxy color 21.1815, 0.4175, 0.3711.

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

21.1815, 0.4175, 0.3711

Protanopia

21.2874, 0.3642, 0.3900

Deuteranopia

21.2826, 0.3940, 0.3877



Tritanopia

21.2468, 0.3817, 0.3169

Trichromacy



Original Color

21.1815, 0.4175, 0.3711

Protanomaly

21.2171, 0.3832, 0.3838

Deuteranomaly

21.0499, 0.4027, 0.3815

Tritanomaly

21.1061, 0.3952, 0.3354

Monochromacy



Original Color

21.1815, 0.4175, 0.3711

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.1090, 0.3484, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1815, 0.4175, 0.3711 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(167, 115, 88)` looks like.

```
.text, #text, p{  
    color:rgb(167, 115, 88)  
}
```

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(167, 115, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 115, 88) }
```

Border

The CSS property to change the border of an element to Yxy 21.1815, 0.4175, 0.3711 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(167, 115, 88) }
```

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

```
.border{ border-color:rgb(167, 115, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 115, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 115, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 115, 88);  
box-shadow:4px 4px 4px 4px rgb(167, 115,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1815, 0.4175, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 115, 88) }
```

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

```
.background{ background-color: rgb(167,  
115, 88) }
```

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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