

Converting Colors

$Y_{xy}(21.7589, 0.4192, 0.3782)$

Have a look what the booklet for
Yxy(21.7589, 0.4192, 0.3782)
contains.

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Color

Yxy(21.6100, 0.4185, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	A77556
RGB	167, 117, 86
RGB Percent	65%, 46%, 34%
CMY	0.3450, 0.5412, 0.6627
CMYK	0.00, 0.30, 0.49, 0.34
HSL	23°, 32%, 50%
HSV	23°, 49%, 66%
XYZ	23.9825, 21.6100, 11.7133
YIQ	128.4160, 39.7510, 0.9590

Conversions

Conversions Part 2

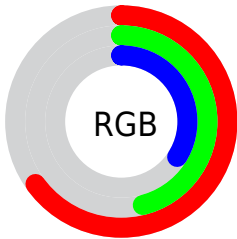
Format	Color
R_{YB}	167, 136, 86
Decimal	10974550
CIE _{Lab}	53.61, 15.91, 24.90
CIE _{LCh}	54, 29.546, 57.428
Yxy	21.6100, 0.4185, 0.3771
Android (android.graphics.Color)	4289164630 (0xFFA77556)
YUV	128.4160, -20.9111, 33.8382
Hunter-Lab	46.4866, 10.7368, 17.6012

Details

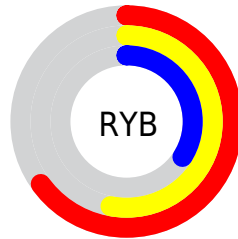
The Yxy color **21.6100, 0.4185, 0.3771** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.3929, 0.2397, 0.2735**, and the grayscale version is **21.8035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0008, 0.3952, 0.3682**, and **7.8542, 0.4577, 0.3910** is the 20% darker color. If you saturate the color by 10%, you get **19.0997, 0.4491, 0.3855**, and if you desaturate by 10%, it is **24.4503, 0.3907, 0.3673**.

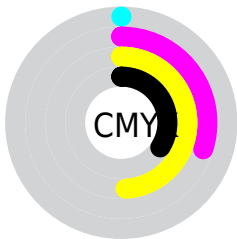
Distribution



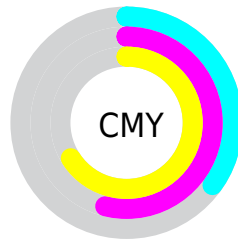
- Red (65%)
- Green (46%)
- Blue (34%)



- Red (65%)
- Yellow (53%)
- Blue (34%)



- Cyan (0%)
- Magenta (30%)
- Yellow (49%)
- Black (34%)





- Cyan (35%)
- Magenta (54%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6100, 0.4185, 0.3771 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 21.6100, 0.4185, 0.3771 by changing the saturation by 10% instead.


 21.6100, 0.4185,
0.3771


 21.6100, 0.4185,
0.3771


260.5028, 0.3588,
0.3525


 13.5706, 0.4358,
0.3829


 46.1006, 0.3951,
0.3683


 7.8226, 0.4593,
0.3896

 63.3205, 0.3868,
0.3649


 3.9817, 0.4925,
0.3967

 84.3695, 0.3800,
0.3620

 1.6633, 0.5748,
0.4252

 109.6318, 0.3743,
0.3595

 0.3997, 0.6578,
0.3422

 139.4919, 0.3696,
0.3574

 0.0000, 0.0000,
0.0000

174.3342, 0.3655,

0.3556

214.5430, 0.3619,
0.3539

■ 21.6100, 0.4185,
0.3771

■ 21.6100, 0.4185,
0.3771

■ 19.0997, 0.4491,
0.3855

■ 24.4503, 0.3907,
0.3673

■ 16.9033, 0.4815,
0.3914

■ 27.6296, 0.3661,
0.3570

■ 15.0076, 0.5139,
0.3937

■ 31.1604, 0.3447,
0.3468

■ 13.3975, 0.5438,
0.3911

■ 35.0538, 0.3263,
0.3369

■ 12.0519, 0.5695,
0.3841

■ 39.3200, 0.3105,
0.3277

■ 11.8705, 0.5733,
0.3830

■ 43.9691, 0.2970,
0.3191

■ 49.0106, 0.2854,
0.3111

■ 54.4537, 0.2755,
0.3039

■ 60.3074, 0.2669,
0.2973

Harmonies

Analogous

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



21.6100, 0.4100, 0.3355



21.6100, 0.4185, 0.3771



21.6100, 0.3963, 0.4115

Triad

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



21.6100, 0.4185, 0.3771



21.6100, 0.2533, 0.3637



21.6100, 0.2677, 0.2466

Complementary

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



21.6100, 0.4185, 0.3771



22.3929, 0.2397, 0.2735

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.



21.6100, 0.2319, 0.2473



21.6100, 0.4185, 0.3771



21.6100, 0.2240, 0.3101

Square

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



21.6100, 0.4185, 0.3771



21.6100, 0.2999, 0.4092



21.6100, 0.2168, 0.2685



21.6100, 0.3186, 0.2639

Rectangle

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



21.6100, 0.4185, 0.3771



21.6100, 0.3687, 0.4244



21.6100, 0.2168, 0.2685



21.6100, 0.2537, 0.2447

Sweetspot

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



21.6111, 0.4185, 0.3771



57.9665, 0.3385, 0.3435



16.6915, 0.3594, 0.2519



12.6639, 0.3424, 0.3456



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.



21.6111, 0.4185, 0.3771



33.9647, 0.4508, 0.3859



32.7442, 0.3895, 0.4316



7.9950, 0.3277, 0.3377



9.1687, 0.5716, 0.3843



0.3223, 0.5114, 0.4322

Inverse Universe

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



22.3929, 0.2397, 0.2735



35.4801, 0.2256, 0.2588



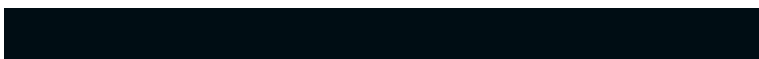
13.2851, 0.2260, 0.1992



8.0429, 0.2987, 0.3202



9.6768, 0.1892, 0.2010



0.3297, 0.2023, 0.2481

Previews

White Background



This preview shows how the Yxy color 21.6100, 0.4185, 0.3771 looks on a white background.

Color Contrast Check

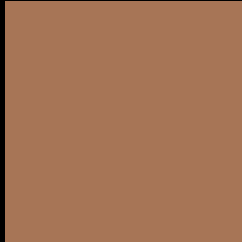
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6100, 0.4185, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

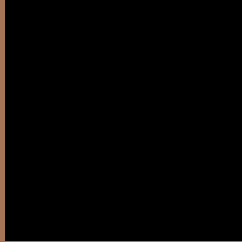
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6100, 0.4185, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 21.6100, 0.4185, 0.3771.



This preview shows how white text looks on a background with the Yxy color 21.6100, 0.4185, 0.3771.

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

21.6100, 0.4185, 0.3771

Protanopia

21.6826, 0.3686, 0.3946

Deuteranopia

21.6918, 0.3983, 0.3918



Tritanopia

21.5149, 0.3785, 0.3154

Trichromacy



Original Color

21.6100, 0.4185, 0.3771

Protanomaly

21.5261, 0.3863, 0.3885

Deuteranomaly

21.7015, 0.4063, 0.3871

Tritanomaly

21.5524, 0.3940, 0.3385

Monochromacy



Original Color

21.6100, 0.4185, 0.3771

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.3583, 0.3481, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6100, 0.4185, 0.3771 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, 117, 86)` looks like.

```
.text, #text, p{  
    color:rgb(167, 117, 86)  
}
```

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, 117, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 117, 86) }
```

Border

The CSS property to change the border of an element to Yxy 21.6100, 0.4185, 0.3771 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, 117, 86) }
```

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

```
.border{ border-color:rgb(167, 117, 86) }
```

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

Here you see how a box with a 4 pixel rgb(167, 117, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 117, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 117, 86);  
box-shadow:4px 4px 4px 4px rgb(167, 117,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6100, 0.4185, 0.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 117, 86) }
```

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

```
.background{ background-color: rgb(167,  
117, 86) }
```

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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