

Converting Colors

$Y_{xy}(20.9280, 0.4210, 0.3768)$

Have a look what the booklet for
Yxy(20.9280, 0.4210, 0.3768)
contains.

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Color

Yxy(21.0086, 0.4213, 0.3774)

Conversions

Conversions Part 1

Format	Color
Hex	A67354
RGB	166, 115, 84
RGB Percent	65%, 45%, 33%
CMY	0.3491, 0.5489, 0.6706
CMYK	0.00, 0.31, 0.49, 0.35
HSL	23°, 33%, 49%
HSV	23°, 49%, 65%
XYZ	23.4524, 21.0086, 11.2057
YIQ	126.7150, 40.3470, 1.1710

Conversions

Conversions Part 2

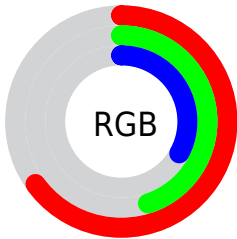
Format	Color
RYB	166, 134, 84
Decimal	10908500
CIELab	52.96, 16.37, 25.17
CIElCh	53, 30.025, 56.959
Yxy	21.0086, 0.4213, 0.3774
Android (android.graphics.Color)	4289098580 (0xFFA67354)
YUV	126.7150, -21.0585, 34.4529
Hunter-Lab	45.8351, 11.1212, 17.5895

Details

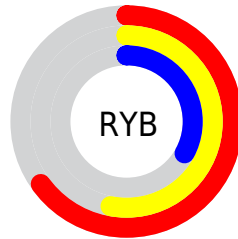
The Yxy color **21.0086, 0.4213, 0.3774** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **21.9510, 0.2386, 0.2729**, and the grayscale version is **21.1841, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0466, 0.3970, 0.3684**, and **7.5338, 0.4626, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **18.5565, 0.4522, 0.3855**, and if you desaturate by 10%, it is **23.7877, 0.3931, 0.3678**.

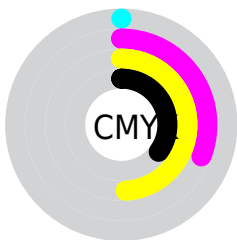
Distribution



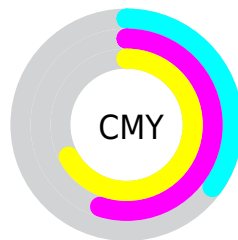
- Red (65%)
- Green (45%)
- Blue (33%)



- Red (65%)
- Yellow (53%)
- Blue (33%)



- Cyan (0%)
- Magenta (31%)
- Yellow (49%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0086, 0.4213, 0.3774 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 21.0086, 0.4213, 0.3774 by changing the saturation by 10% instead.


 21.0086, 0.4213,
0.3774


 21.0086, 0.4213,
0.3774


257.3242, 0.3598,
0.3526

 13.1303, 0.4392,
0.3831


 45.1018, 0.3971,
0.3685


 7.5183, 0.4635,
0.3898


 62.0856, 0.3886,
0.3651

 3.7883, 0.4981,
0.3964

 82.8732, 0.3816,
0.3622

 1.5559, 0.5791,
0.4209

 107.8492, 0.3758,
0.3598

 0.3276, 0.6846,
0.3154

 137.3979, 0.3708,
0.3576

 0.0000, 0.0000,
0.0000

171.9037, 0.3666,

0.3557

211.7510, 0.3630,
0.3541

■ 21.0086, 0.4213,
0.3774

■ 21.0086, 0.4213,
0.3774

■ 18.5565, 0.4522,
0.3855

■ 23.7877, 0.3931,
0.3678

■ 16.4154, 0.4849,
0.3911

■ 26.9030, 0.3682,
0.3576

■ 14.5720, 0.5173,
0.3929

■ 30.3670, 0.3465,
0.3475

■ 13.0109, 0.5471,
0.3899

■ 34.1907, 0.3278,
0.3377

■ 11.7097, 0.5727,
0.3826

■ 38.3845, 0.3118,
0.3285

■ 11.6377, 0.5743,
0.3822

■ 42.9584, 0.2981,
0.3199

■ 47.9220, 0.2864,
0.3120

■ 53.2844, 0.2763,
0.3048

■ 59.0547, 0.2677,
0.2982

Harmonies

Analogous

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



21.0086, 0.4121, 0.3348



21.0086, 0.4213, 0.3774



21.0086, 0.3989, 0.4130

Triad

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



21.0086, 0.4213, 0.3774



21.0086, 0.2525, 0.3654



21.0086, 0.2659, 0.2446

Complementary

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



21.0086, 0.4213, 0.3774



21.9510, 0.2386, 0.2729

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.



21.0086, 0.2296, 0.2455



21.0086, 0.4213, 0.3774



21.0086, 0.2222, 0.3102

Square

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



21.0086, 0.4213, 0.3774



21.0086, 0.3003, 0.4120



21.0086, 0.2145, 0.2675



21.0086, 0.3178, 0.2620

Rectangle

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



21.0086, 0.4213, 0.3774



21.0086, 0.3707, 0.4266



21.0086, 0.2145, 0.2675



21.0086, 0.2516, 0.2427

Sweetspot

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



21.0096, 0.4213, 0.3774



57.9085, 0.3385, 0.3434



16.2193, 0.3605, 0.2506



12.6494, 0.3424, 0.3454



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.



21.0096, 0.4213, 0.3774



33.3982, 0.4545, 0.3860



32.2005, 0.3909, 0.4333



7.9902, 0.3277, 0.3376



9.1119, 0.5727, 0.3835



0.3205, 0.5122, 0.4315

Inverse Universe

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



21.9510, 0.2386, 0.2729



35.2510, 0.2245, 0.2581



12.8081, 0.2243, 0.1965



8.0479, 0.2987, 0.3203



9.7773, 0.1896, 0.2024



0.3317, 0.2025, 0.2490

Previews

White Background



This preview shows how the Yxy color 21.0086, 0.4213, 0.3774 looks on a white background.

Color Contrast Check

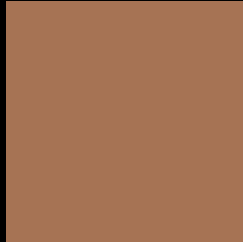
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0086, 0.4213, 0.3774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

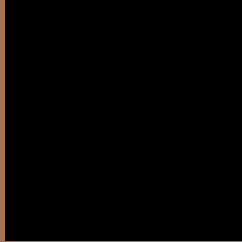
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0086, 0.4213, 0.3774

Background



This preview shows how black text looks on a background with the Yxy color 21.0086, 0.4213, 0.3774.



This preview shows how white text looks on a background with the Yxy color 21.0086, 0.4213, 0.3774.

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

21.0086, 0.4213, 0.3774

Protanopia

21.2184, 0.3688, 0.3971

Deuteranopia

20.9747, 0.3995, 0.3926



Tritanopia

20.9188, 0.3809, 0.3153

Trichromacy



Original Color

21.0086, 0.4213, 0.3774

Protanomaly

21.1499, 0.3881, 0.3905

Deuteranomaly

20.9863, 0.4077, 0.3878

Tritanomaly

20.9538, 0.3966, 0.3386

Monochromacy



Original Color

21.0086, 0.4213, 0.3774

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9763, 0.3495, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0086, 0.4213, 0.3774 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(166, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(166, 115, 84)  
}
```

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(166, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 115, 84) }
```

Border

The CSS property to change the border of an element to Yxy 21.0086, 0.4213, 0.3774 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(166, 115, 84) }
```

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

```
.border{ border-color:rgb(166, 115, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 115, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(166, 115,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0086, 0.4213, 0.3774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 115, 84) }
```

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

```
.background{ background-color: rgb(166,  
115, 84) }
```

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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