

Converting Colors

$Y_{xy}(21.7324, 0.4666, 0.3903)$

Have a look what the booklet for
Yxy(21.7324, 0.4666, 0.3903)
contains.

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Color

Yxy(21.7073, 0.4665, 0.3901)

Conversions

Conversions Part 1

Format	Color
Hex	B66F42
RGB	182, 111, 66
RGB Percent	71%, 44%, 26%
CMY	0.2863, 0.5647, 0.7411
CMYK	0.00, 0.39, 0.64, 0.29
HSL	23°, 47%, 49%
HSV	23°, 64%, 71%
XYZ	25.9586, 21.7073, 7.9796
YIQ	127.0990, 56.7610, 1.0570

Conversions

Conversions Part 2

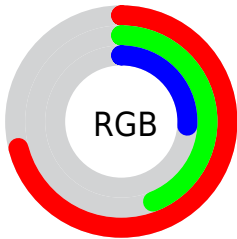
Format	Color
R_{YB}	182, 140, 66
Decimal	11956034
CIE Lab	53.72, 23.91, 36.50
CIE LCh	54, 43.635, 56.778
Yxy	21.7073, 0.4665, 0.3901
Android (android.graphics.Color)	4290146114 (0xFFB66F42)
YUV	127.0990, -30.1218, 48.1482
Hunter-Lab	46.5911, 17.9183, 22.4593

Details

The Yxy color **21.7073, 0.4665, 0.3901** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.4303, 0.2191, 0.2503**, and the grayscale version is **21.3516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1330, 0.4338, 0.3814**, and **7.8557, 0.5206, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **19.2452, 0.4991, 0.3942**, and if you desaturate by 10%, it is **24.5432, 0.4347, 0.3828**.

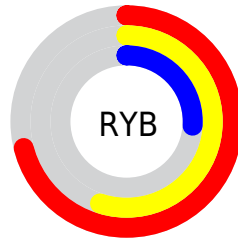
Distribution



Red (71%)

Green (44%)

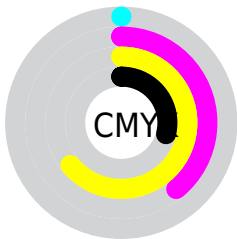
Blue (26%)



Red (71%)

Yellow (55%)

Blue (26%)

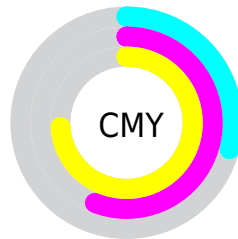


Cyan (0%)

Magenta (39%)

Yellow (64%)

Black (29%)



Cyan (29%)


Magenta (56%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7073, 0.4665, 0.3901 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 21.7073, 0.4665, 0.3901 by changing the saturation by 10% instead.


 21.7073, 0.4665,
0.3901


 21.7073, 0.4665,
0.3901


261.0139, 0.3810,
0.3618


 13.6420, 0.4897,
0.3947


 46.2617, 0.4337,
0.3812


 7.8721, 0.5198,
0.3982


 63.5197, 0.4219,
0.3773


 4.0132, 0.5665,
0.4027

 84.6106, 0.4121,
0.3739

 1.6810, 0.6136,
0.3864

 109.9189, 0.4038,
0.3709

 0.4113, 0.7047,
0.2953

 139.8290, 0.3968,
0.3682

 0.0000, 0.0000,
0.0000

174.7253, 0.3908,

0.3659

214.9921, 0.3856,
0.3637

■ 21.7073, 0.4665,
0.3901

■ 21.7073, 0.4665,
0.3901

■ 19.2452, 0.4991,
0.3942

■ 24.5432, 0.4347,
0.3828

■ 17.1356, 0.5303,
0.3939

■ 27.7659, 0.4053,
0.3734

■ 15.3598, 0.5576,
0.3885

■ 31.3917, 0.3789,
0.3631

■ 14.3992, 0.5729,
0.3833

■ 35.4351, 0.3557,
0.3526

■ 39.9096, 0.3357,
0.3423

■ 44.8281, 0.3185,
0.3325

■ 50.2030, 0.3037,
0.3233

■ 56.0460, 0.2911,
0.3149

■ 62.3686, 0.2803,
0.3072

Harmonies

Analogous

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



21.7073, 0.4556, 0.3325



21.7073, 0.4665, 0.3901



21.7073, 0.4317, 0.4432

Triad

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



21.7073, 0.4665, 0.3901



21.7073, 0.2270, 0.3820



21.7073, 0.2458, 0.2138

Complementary

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



21.7073, 0.4665, 0.3901



22.4303, 0.2191, 0.2503

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.



21.7073, 0.1981, 0.2136



21.7073, 0.4665, 0.3901



21.7073, 0.1875, 0.2992

Square

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



21.7073, 0.4665, 0.3901



21.7073, 0.2924, 0.4537



21.7073, 0.1784, 0.2407



21.7073, 0.3179, 0.2371

Rectangle

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



21.7073, 0.4665, 0.3901



21.7073, 0.3909, 0.4677



21.7073, 0.1784, 0.2407



21.7073, 0.2268, 0.2110

Sweetspot

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



21.7084, 0.4665, 0.3901



67.7210, 0.3466, 0.3480



15.6651, 0.3850, 0.2338



14.4559, 0.3525, 0.3510



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



21.7084, 0.4665, 0.3901



33.4591, 0.5105, 0.3947



38.5145, 0.4107, 0.4604



9.5682, 0.3278, 0.3379



10.2902, 0.5708, 0.3850



0.4842, 0.5229, 0.4230

Inverse Universe

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



22.4303, 0.2191, 0.2503



34.7156, 0.2045, 0.2301



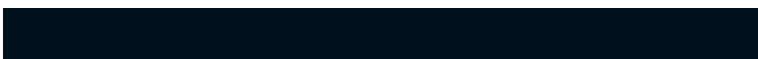
10.2084, 0.1954, 0.1474



9.6098, 0.2985, 0.3199



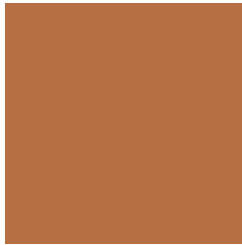
10.6080, 0.1885, 0.1985



0.4903, 0.1989, 0.2359

Previews

White Background



This preview shows how the Yxy color 21.7073, 0.4665, 0.3901 looks on a white background.

Color Contrast Check

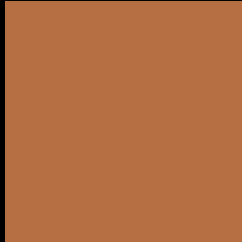
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7073, 0.4665, 0.3901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

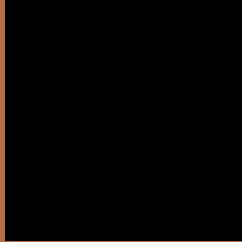
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7073, 0.4665, 0.3901

Background



This preview shows how black text looks on a background with the Yxy color 21.7073, 0.4665, 0.3901.



This preview shows how white text looks on a background with the Yxy color 21.7073, 0.4665, 0.3901.

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

21.7073, 0.4665, 0.3901

Protanopia

21.9192, 0.3926, 0.4265

Deuteranopia

21.8957, 0.4290, 0.4216



Tritanopia

21.6097, 0.4126, 0.3180

Trichromacy



Original Color

21.7073, 0.4665, 0.3901

Protanomaly

21.5294, 0.4201, 0.4117

Deuteranomaly

21.7793, 0.4421, 0.4105

Tritanomaly

21.5503, 0.4343, 0.3449

Monochromacy



Original Color

21.7073, 0.4665, 0.3901

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8977, 0.3656, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7073, 0.4665, 0.3901 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(182, 111, 66)` looks like.

```
.text, #text, p{  
    color:rgb(182, 111, 66)  
}
```

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(182, 111, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 111, 66) }
```

Border

The CSS property to change the border of an element to Yxy 21.7073, 0.4665, 0.3901 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(182, 111, 66) }
```

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

```
.border{ border-color:rgb(182, 111, 66) }
```

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

Here you see how a box with a 4 pixel rgb(182, 111, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 111, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 111, 66);  
box-shadow:4px 4px 4px 4px rgb(182, 111,  
66) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.7073, 0.4665, 0.3901$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 111, 66) }
```

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

```
.background{ background-color: rgb(182,  
111, 66) }
```

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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