

Converting Colors

$Y_{xy}(20.7562, 0.4179, 0.3660)$

Have a look what the booklet for
Yxy(20.7562, 0.4179, 0.3660)
contains.

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Color

Yxy(20.7470, 0.4177, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	A77159
RGB	167, 113, 89
RGB Percent	65%, 44%, 35%
CMY	0.3451, 0.5569, 0.6509
CMYK	0.00, 0.32, 0.47, 0.35
HSL	18°, 31%, 50%
HSV	18°, 47%, 65%
XYZ	23.6454, 20.7470, 12.2161
YIQ	126.4100, 39.8880, 3.9840

Conversions

Conversions Part 2

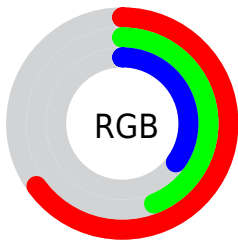
Format	Color
R _Y B	167, 124, 89
Decimal	10973529
CIE Lab	52.67, 18.47, 21.94
CIE LCh	53, 28.676, 49.909
Yxy	20.7470, 0.4177, 0.3665
Android (android.graphics.Color)	4289163609 (0xFFA77159)
YUV	126.4100, -18.4431, 35.5974
Hunter-Lab	45.5489, 12.9525, 15.9828

Details

The Yxy color **20.7470, 0.4177, 0.3665** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.5680, 0.2442, 0.2867**, and the grayscale version is **21.0662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6216, 0.3942, 0.3600**, and **7.3998, 0.4585, 0.3766** is the 20% darker color. If you saturate the color by 10%, you get **18.0801, 0.4505, 0.3734**, and if you desaturate by 10%, it is **23.8085, 0.3885, 0.3585**.

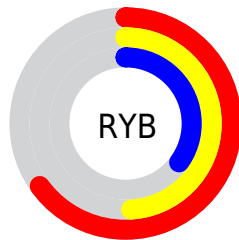
Distribution



Red (65%)

Green (44%)

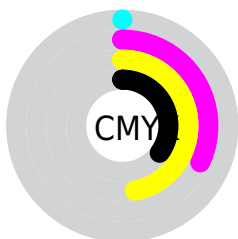
Blue (35%)



Red (65%)

Yellow (49%)

Blue (35%)

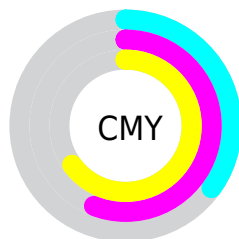


Cyan (0%)

Magenta (32%)

Yellow (47%)

Black (35%)



Cyan (35%)


Magenta (56%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.7470, 0.4177, 0.3665 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 20.7470, 0.4177, 0.3665 by changing the saturation by 10% instead.


 20.7470, 0.4177,
0.3665


 20.7470, 0.4177,
0.3665


255.9309, 0.3579,
0.3476


 12.9392, 0.4354,
0.3708

 44.6661, 0.3940,
0.3598


 7.3867, 0.4597,
0.3755


 61.5462, 0.3857,
0.3572

 3.7051, 0.4950,
0.3800

 82.2191, 0.3789,
0.3550

 1.5100, 0.5907,
0.4093

 107.0693, 0.3733,
0.3531

 0.2957, 0.7122,
0.2878

 136.4812, 0.3685,
0.3515

 0.0000, 0.0000,
0.0000

170.8392, 0.3645,

0.3500

210.5276, 0.3609,
0.3487

■ 20.7470, 0.4177,
0.3665

■ 20.7470, 0.4177,
0.3665

■ 18.0801, 0.4505,
0.3734

■ 23.8085, 0.3885,
0.3585

■ 15.7881, 0.4859,
0.3782

■ 27.2771, 0.3633,
0.3501

■ 13.8539, 0.5221,
0.3797


■ 31.1686, 0.3417,
0.3419


■ 12.2578, 0.5559,
0.3770

■ 35.4969, 0.3234,
0.3340


■ 10.9766, 0.5842,
0.3698


■ 40.2755, 0.3079,
0.3266

 10.6133, 0.5930,
0.3673

 45.5170, 0.2948,
0.3198

 51.2336, 0.2837,
0.3136

 57.4370, 0.2743,
0.3079

 64.1387, 0.2662,
0.3027

Harmonies

Analogous

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



20.7470, 0.4014, 0.3251



20.7470, 0.4177, 0.3665



20.7470, 0.4030, 0.4031

Triad

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



20.7470, 0.4177, 0.3665



20.7470, 0.2646, 0.3760



20.7470, 0.2579, 0.2461

Complementary

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



20.7470, 0.4177, 0.3665



24.5680, 0.2442, 0.2867

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.



20.7470, 0.2274, 0.2518



20.7470, 0.4177, 0.3665



20.7470, 0.2306, 0.3231

Square

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



20.7470, 0.4177, 0.3665



20.7470, 0.3132, 0.4151



20.7470, 0.2178, 0.2780



20.7470, 0.3052, 0.2591

Rectangle

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



20.7470, 0.4177, 0.3665



20.7470, 0.3790, 0.4194



20.7470, 0.2178, 0.2780



20.7470, 0.2455, 0.2458

Sweetspot

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



20.7480, 0.4177, 0.3665



57.6363, 0.3369, 0.3399



17.3668, 0.3494, 0.2475



12.5497, 0.3410, 0.3416



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.



20.7480, 0.4177, 0.3665



32.2368, 0.4516, 0.3736



31.2007, 0.3900, 0.4215



7.9046, 0.3278, 0.3360



8.1997, 0.5913, 0.3687



0.2891, 0.5283, 0.4187

Inverse Universe

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



24.5680, 0.2442, 0.2867



39.8623, 0.2312, 0.2754



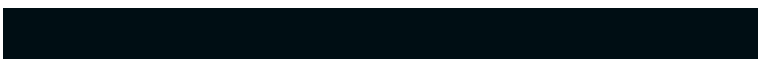
14.9421, 0.2313, 0.2145



8.1370, 0.2987, 0.3219



11.7216, 0.1965, 0.2274



0.3695, 0.2069, 0.2649

Previews

White Background



This preview shows how the Yxy color 20.7470, 0.4177, 0.3665 looks on a white background.

Color Contrast Check

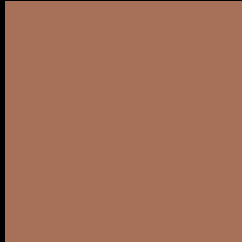
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7470, 0.4177, 0.3665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

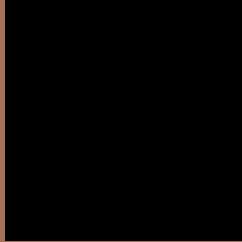
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7470, 0.4177, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 20.7470, 0.4177, 0.3665.



This preview shows how white text looks on a background with the Yxy color 20.7470, 0.4177, 0.3665.

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

20.7470, 0.4177, 0.3665

Protanopia

20.8988, 0.3598, 0.3852

Deuteranopia

20.8634, 0.3908, 0.3851



Tritanopia

20.6566, 0.3841, 0.3168

Trichromacy



Original Color

20.7470, 0.4177, 0.3665

Protanomaly

20.6681, 0.3807, 0.3774

Deuteranomaly

20.7294, 0.4009, 0.3786

Tritanomaly

20.5382, 0.3964, 0.3339

Monochromacy



Original Color

20.7470, 0.4177, 0.3665

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5297, 0.3477, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7470, 0.4177, 0.3665 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, 113, 89)` looks like.

```
.text, #text, p{  
    color:rgb(167, 113, 89)  
}
```

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, 113, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 113, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.7470, 0.4177, 0.3665 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, 113, 89) }
```

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

```
.border{ border-color:rgb(167, 113, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 113, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 113, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 113, 89);  
box-shadow:4px 4px 4px 4px rgb(167, 113,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7470, 0.4177, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 113, 89) }
```

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

```
.background{ background-color: rgb(167,  
113, 89) }
```

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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