

# Converting Colors

$Y_{xy}(25.2520, 0.4015, 0.3665)$

Have a look what the booklet for  
Yxy(25.2520, 0.4015, 0.3665)  
contains.

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**Color**

**Yxy(25.2520, 0.4015, 0.3665)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF7F66
RGB	175, 127, 102
RGB Percent	69%, 50%, 40%
CMY	0.3138, 0.5019, 0.6000
CMYK	0.00, 0.27, 0.42, 0.31
HSL	21°, 31%, 54%
HSV	21°, 42%, 69%
XYZ	27.6635, 25.2520, 15.9849
YIQ	138.5020, 36.6330, 2.4010

# Conversions

## Conversions Part 2

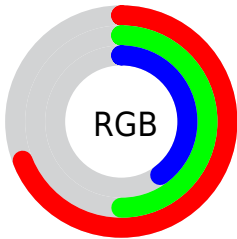
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 140, 102
Decimal	11501414
CIE Lab	57.32, 15.32, 20.91
CIE LCh	57, 25.919, 53.769
Yxy	25.2520, 0.4015, 0.3665
Android (android.graphics.Color)	4289691494 (0xFFAF7F66)
YUV	138.5020, -17.9955, 32.0087
Hunter-Lab	50.2514, 10.3248, 16.3159

# Details

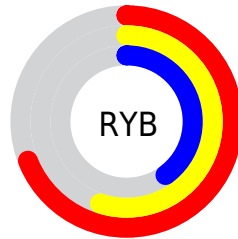
The Yxy color **25.2520, 0.4015, 0.3665** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.7199, 0.2500, 0.2874**, and the grayscale version is **25.6775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0982, 0.3825, 0.3600**, and **9.7177, 0.4329, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **22.1386, 0.4316, 0.3750**, and if you desaturate by 10%, it is **28.7803, 0.3749, 0.3573**.

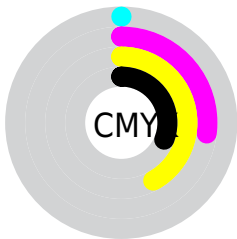
# Distribution



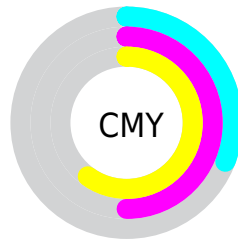
- Red (69%)
- Green (50%)
- Blue (40%)



- Red (69%)
- Yellow (55%)
- Blue (40%)



- Cyan (0%)
- Magenta (27%)
- Yellow (42%)
- Black (31%)




- Cyan (31%)
- Magenta (50%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2520, 0.4015, 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 25.2520, 0.4015, 0.3665 by changing the saturation by 10% instead.





 25.2520, 0.4015,  
0.3665


 25.2520, 0.4015,  
0.3665


279.0906, 0.3523,  
0.3475


 16.2649, 0.4154,  
0.3710


 52.0657, 0.3824,  
0.3597


 9.7118, 0.4344,  
0.3766


 70.6612, 0.3756,  
0.3571

 5.2083, 0.4612,  
0.3830


 93.2282, 0.3700,  
0.3549

 2.3700, 0.5047,  
0.3918

 120.1512, 0.3653,  
0.3530

 0.8104, 0.5932,  
0.4068

151.8145, 0.3613,  
0.3513

 0.0000, 1.0000,  
0.0000

188.6026, 0.3579,

 0.0000, 0.0000,

0.3499

0.0000

230.8998, 0.3549,  
0.3486

■ 25.2520, 0.4015,  
0.3665

■ 25.2520, 0.4015,  
0.3665

■ 22.1386, 0.4316,  
0.3750

■ 28.7803, 0.3749,  
0.3573

■ 19.4203, 0.4647,  
0.3817

■ 32.7347, 0.3518,  
0.3480

■ 17.0813, 0.4993,  
0.3857


■ 37.1309, 0.3321,  
0.3389


■ 15.1029, 0.5331,  
0.3856

■ 41.9824, 0.3153,  
0.3304


■ 13.4645, 0.5632,  
0.3807


■ 47.3020, 0.3011,  
0.3225

 12.3414, 0.5846,  
0.3740

 53.1022, 0.2889,  
0.3152

 59.3951, 0.2786,  
0.3085

 66.1920, 0.2697,  
0.3024

 73.2122, 0.2643,  
0.3016

# Harmonies

## Analogous

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



25.2520, 0.3908, 0.3310



25.2520, 0.4015, 0.3665



25.2520, 0.3865, 0.3959

# Triad

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



25.2520, 0.4015, 0.3665



25.2520, 0.2674, 0.3631



25.2520, 0.2706, 0.2583

# Complementary

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



25.2520, 0.4015, 0.3665



27.7199, 0.2500, 0.2874

# 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.



25.2520, 0.2419, 0.2614



25.2520, 0.4015, 0.3665



25.2520, 0.2400, 0.3191

# Square

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



25.2520, 0.4015, 0.3665



25.2520, 0.3080, 0.3979



25.2520, 0.2312, 0.2823



25.2520, 0.3125, 0.2713



# Rectangle

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



25.2520, 0.4015, 0.3665



25.2520, 0.3649, 0.4073



25.2520, 0.2312, 0.2823



25.2520, 0.2593, 0.2574

# Sweetspot

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



25.2532, 0.4015, 0.3665



65.2718, 0.3349, 0.3403



20.8367, 0.3476, 0.2588



14.1173, 0.3390, 0.3422



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



25.2532, 0.4015, 0.3665



40.1032, 0.4289, 0.3743



36.2005, 0.3802, 0.4154



8.4475, 0.3278, 0.3368



8.9447, 0.5825, 0.3757



0.3523, 0.5241, 0.4220



# Inverse Universe

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



27.7199, 0.2500, 0.2874



45.0747, 0.2374, 0.2764



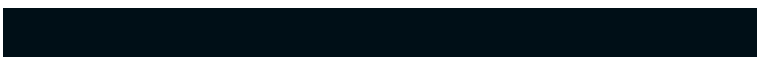
17.9895, 0.2399, 0.2242



8.6027, 0.2986, 0.3210



11.1173, 0.1930, 0.2147



0.4057, 0.2037, 0.2534



# Previews

## White Background



This preview shows how the Yxy color 25.2520, 0.4015, 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 25.2520, 0.4015, 0.3665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

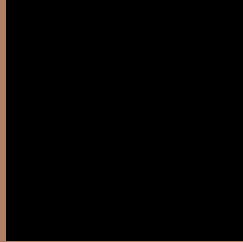
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 25.2520, 0.4015, 0.3665**

## Background



This preview shows how black text looks on a background with the Yxy color 25.2520, 0.4015, 0.3665.



This preview shows how white text looks on a background with the Yxy color 25.2520, 0.4015, 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

25.2520, 0.4015, 0.3665

### Protanopia

25.4415, 0.3560, 0.3810

### Deuteranopia

25.2286, 0.3850, 0.3779



## Tritanopia

25.2968, 0.3698, 0.3160

# Trichromacy



## Original Color

25.2520, 0.4015, 0.3665

## Protanomaly

25.2382, 0.3721, 0.3759

## Deuteranomaly

25.1203, 0.3911, 0.3740

## Tritanomaly

25.1429, 0.3820, 0.3336

# Monochromacy



## Original Color

25.2520, 0.4015, 0.3665

## Achromatopsia

25.8183, 0.3127, 0.3290

## Achromatomaly

25.5097, 0.3420, 0.3437

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.2520, 0.4015, 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(175, 127, 102)` looks like.

```
.text, #text, p{  
    color:rgb(175, 127, 102)  
}
```

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(175, 127, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 127, 102) }
```

## Border

The CSS property to change the border of an element to Yxy 25.2520, 0.4015, 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(175, 127, 102) }
```

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

```
.border{ border-color:rgb(175, 127, 102) }
```

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

Here you see how a box with a 4 pixel rgb(175, 127, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 127, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 127, 102);  
box-shadow:4px 4px 4px 4px rgb(175, 127,  
102) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.2520, 0.4015, 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(175, 127, 102) }
```

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

```
.background{ background-color: rgb(175,  
127, 102) }
```

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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