

# Converting Colors

$Yxy(42.1242, 0.3663, 0.4157)$

Have a look what the booklet for  
Yxy(42.1242, 0.3663, 0.4157)  
contains.

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# Color

**Yxy(42.1242, 0.3663, 0.4157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2B172
RGB	178, 177, 114
RGB Percent	70%, 69%, 45%
CMY	0.3020, 0.3059, 0.5530
CMYK	0.00, 0.01, 0.36, 0.30
HSL	59°, 29%, 57%
HSV	59°, 36%, 70%
XYZ	37.1183, 42.1242, 22.0906
YIQ	170.1170, 20.8190, -19.3810

# Conversions

## Conversions Part 2

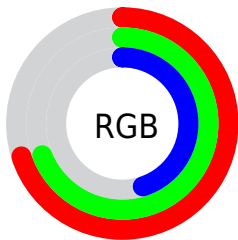
Format	Color
<b>RYB</b>	115, 178, 114
Decimal	11710834
CIELab	70.96, -9.34, 32.40
CIELCh	71, 33.724, 106.080
Yxy	42.1242, 0.3663, 0.4157
Android (android.graphics.Color)	4289900914 (0xFFB2B172)
YUV	170.1170, -27.6657, 6.9134
Hunter-Lab	64.9032, -11.4958, 25.2521

# Details

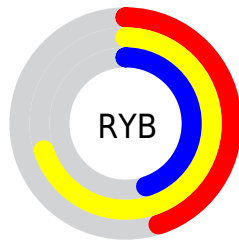
The Yxy color **42.1242, 0.3663, 0.4157** is a light color, and the websafe version is hex **999966**. A complement of this color would be **19.0479, 0.2488, 0.2245**, and the grayscale version is **40.3929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7300, 0.3570, 0.3993**, and **19.3340, 0.3791, 0.4415** is the 20% darker color. If you saturate the color by 10%, you get **41.6509, 0.3803, 0.4382**, and if you desaturate by 10%, it is **42.6805, 0.3514, 0.3918**.

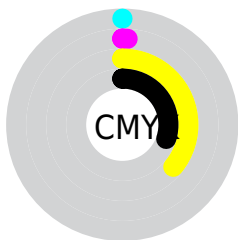
# Distribution



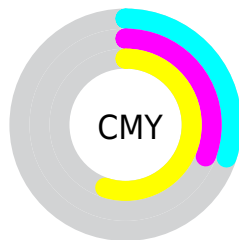
- Red (70%)
- Green (69%)
- Blue (45%)



- Red (45%)
- Yellow (70%)
- Blue (45%)



- Cyan (0%)
- Magenta (1%)
- Yellow (36%)
- Black (30%)




- Cyan (30%)
- Magenta (31%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1242, 0.3663, 0.4157 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 42.1242, 0.3663, 0.4157 by changing the saturation by 10% instead.





 42.1242, 0.3663,  
0.4157

 42.1242, 0.3663,  
0.4157


354.9975, 0.3401,  
0.3713


 29.1986, 0.3724,  
0.4269


 78.3876, 0.3570,  
0.3994


 19.2311, 0.3800,  
0.4412


 102.4941, 0.3535,  
0.3933

 11.8374, 0.3892,  
0.4601

 131.0963, 0.3504,  
0.3882

 6.6330, 0.4005,  
0.4855

 164.5787, 0.3478,  
0.3838

 3.2337, 0.4232,  
0.5338

203.3256, 0.3455,  
0.3800

 1.2549, 0.4250,  
0.5750

247.7215, 0.3435,

 0.1059, 0.0000,

0.3767

1.0000

298.1506, 0.3417,  
0.3738

■ 0.0000, 0.0000,  
0.0000

■ 42.1242, 0.3663,  
0.4157

■ 42.1242, 0.3663,  
0.4157

■ 41.6509, 0.3803,  
0.4382

■ 42.6805, 0.3514,  
0.3918

■ 41.2501, 0.3930,  
0.4584

■ 43.3181, 0.3363,  
0.3673

■ 40.9188, 0.4036,  
0.4753


■ 44.0430, 0.3214,  
0.3431


■ 40.6512, 0.4120,  
0.4883


■ 44.8588, 0.3070,  
0.3197


■ 40.4407, 0.4177,  
0.4970

■ 45.7690, 0.2934,  
0.2975


 40.2788, 0.4210,  
0.5018

 46.7769, 0.2807,  
0.2768

 40.2197, 0.4220,  
0.5031

 47.8855, 0.2690,  
0.2577

 49.0082, 0.2591,  
0.2416

 49.1188, 0.2592,  
0.2419

# Harmonies

## Analogous

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



42.1242, 0.4000, 0.3947



42.1242, 0.3663, 0.4157



42.1242, 0.3197, 0.4112

# Triad

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



42.1242, 0.3663, 0.4157



42.1242, 0.2243, 0.2864



42.1242, 0.3494, 0.2859

# Complementary

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



42.1242, 0.3663, 0.4157



19.0479, 0.2488, 0.2245

# 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.



42.1242, 0.2996, 0.2611



42.1242, 0.3663, 0.4157



42.1242, 0.2306, 0.2591

# Square

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



42.1242, 0.3663, 0.4157



42.1242, 0.2392, 0.3300



42.1242, 0.2570, 0.2511



42.1242, 0.3911, 0.3209



# Rectangle

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



42.1242, 0.3663, 0.4157



42.1242, 0.2879, 0.3919



42.1242, 0.2570, 0.2511



42.1242, 0.3329, 0.2763

# Sweetspot

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



42.1261, 0.3663, 0.4157



79.1653, 0.3291, 0.3557



22.7361, 0.3959, 0.3277



17.5006, 0.3312, 0.3589



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



42.1261, 0.3663, 0.4157



75.7139, 0.3773, 0.4334



39.2626, 0.3365, 0.4262



9.8837, 0.3264, 0.3512



28.7881, 0.4220, 0.5031



0.9129, 0.4212, 0.5038



# Inverse Universe

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



19.0479, 0.2488, 0.2245



27.7543, 0.2324, 0.1977



21.2598, 0.2800, 0.2315



8.2505, 0.2985, 0.3058



2.3513, 0.1504, 0.0612



0.0809, 0.1518, 0.0663



# Previews

## White Background



This preview shows how the Yxy color 42.1242, 0.3663, 0.4157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

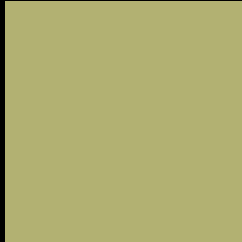
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.1242, 0.3663, 0.4157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

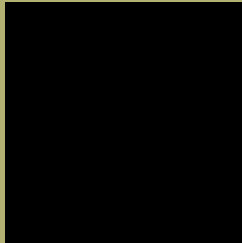
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.1242, 0.3663, 0.4157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.1242, 0.3663, 0.4157.



This preview shows how white text looks on a background with the Yxy color 42.1242, 0.3663, 0.4157.

# 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

42.1242, 0.3663, 0.4157

### Protanopia

42.2832, 0.3792, 0.4101

### Deuteranopia

41.9433, 0.3996, 0.3916



## Tritanopia

42.1924, 0.3171, 0.3120

# Trichromacy



## Original Color

42.1242, 0.3663, 0.4157

## Protanomaly

42.1665, 0.3748, 0.4125

## Deuteranomaly

41.8576, 0.3874, 0.4005

## Tritanomaly

42.0066, 0.3357, 0.3493

# Monochromacy



## Original Color

42.1242, 0.3663, 0.4157

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

40.9734, 0.3322, 0.3612

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1242, 0.3663, 0.4157 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(178, 177, 114)` looks like.

```
.text, #text, p{  
    color:rgb(178, 177, 114)  
}
```

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(178, 177, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 177, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1242, 0.3663, 0.4157 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(178, 177, 114) }
```

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

```
.border{ border-color:rgb(178, 177, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 177, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 177, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 177, 114);  
box-shadow:4px 4px 4px 4px rgb(178, 177,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1242, 0.3663, 0.4157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 177, 114) }
```

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

```
.background{ background-color: rgb(178,  
177, 114) }
```

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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