

# Converting Colors

$Yxy(42.0075, 0.3176, 0.3608)$

Have a look what the booklet for  
Yxy(42.0075, 0.3176, 0.3608)  
contains.

<b>Yxy(42.0276, 0.3174, 0.3602)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.0276, 0.3174, 0.3602)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3B29C
RGB	163, 178, 156
RGB Percent	64%, 70%, 61%
CMY	0.3606, 0.3020, 0.3882
CMYK	0.08, 0.00, 0.12, 0.30
HSL	101°, 12%, 65%
HSV	101°, 12%, 70%
XYZ	37.0338, 42.0276, 37.6172
YIQ	171.0070, -1.8780, -10.0220

# Conversions

## Conversions Part 2

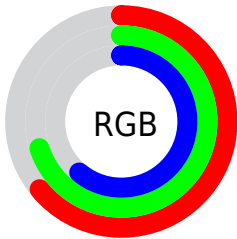
Format	Color
<b>RYB</b>	156, 178, 171
Decimal	10728092
CIELab	70.89, -9.33, 9.47
CIELCh	71, 13.298, 134.570
Yxy	42.0276, 0.3174, 0.3602
Android (android.graphics.Color)	4288918172 (0xFFA3B29C)
YUV	171.0070, -7.3985, -7.0221
Hunter-Lab	64.8287, -11.4811, 10.9768

# Details

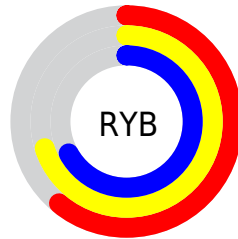
The Yxy color  $42.0276, 0.3174, 0.3602$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $35.6470, 0.3074, 0.2985$ , and the grayscale version is  $40.7720, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.4042, 0.3169, 0.3551$ , and  $19.0667, 0.3181, 0.3689$  is the 20% darker color. If you saturate the color by 10%, you get  $40.2528, 0.3210, 0.3883$ , and if you desaturate by 10%, it is  $44.0166, 0.3136, 0.3346$ .

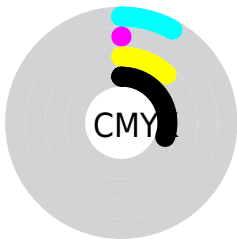
# Distribution



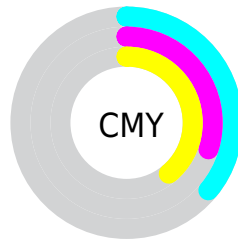
- Red (64%)
- Green (70%)
- Blue (61%)



- Red (61%)
- Yellow (70%)
- Blue (67%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)




- Cyan (36%)
- Magenta (30%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.0276, 0.3174, 0.3602 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 42.0276, 0.3174, 0.3602 by changing the saturation by 10% instead.





 42.0276, 0.3174,  
0.3602


 42.0276, 0.3174,  
0.3602


354.5973, 0.3152,  
0.3441

 29.1229, 0.3179,  
0.3644


 78.2414, 0.3166,  
0.3542

 19.1738, 0.3186,  
0.3699


 102.3193, 0.3163,  
0.3520

 11.7959, 0.3194,  
0.3775


130.8904, 0.3160,  
0.3501

 6.6049, 0.3204,  
0.3885

164.3390, 0.3158,  
0.3486

 3.2163, 0.3217,  
0.4059

203.0496, 0.3156,  
0.3472

 1.2456, 0.3268,  
0.4423

247.4066, 0.3154,

 0.0985, 0.0000,

0.3460

1.0000

297.7944, 0.3153,  
0.3450

0.0000, 0.0000,  
0.0000

42.0276, 0.3174,  
0.3602

42.0276, 0.3174,  
0.3602

40.2528, 0.3210,  
0.3883

44.0166, 0.3136,  
0.3346

38.6795, 0.3241,  
0.4185

46.2212, 0.3098,  
0.3117

37.3018, 0.3266,  
0.4501


48.6497, 0.3060,  
0.2912


36.1116, 0.3280,  
0.4820


51.3085, 0.3024,  
0.2731

35.1000, 0.3282,  
0.5126


54.2035, 0.2989,  
0.2572


 34.2575, 0.3269,  
0.5399


 56.8275, 0.3012,  
0.2501

 33.5732, 0.3240,  
0.5623

 58.9647, 0.3106,  
0.2523

 33.0351, 0.3197,  
0.5784

 60.3168, 0.3163,  
0.2536

 32.7070, 0.3161,  
0.5872

# Harmonies

## Analogous

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



42.0276, 0.3356, 0.3627



42.0276, 0.3174, 0.3602



42.0276, 0.2984, 0.3485

# Triad

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



42.0276, 0.3174, 0.3602



42.0276, 0.2785, 0.3015



42.0276, 0.3427, 0.3258

# Complementary

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



42.0276, 0.3174, 0.3602



35.6470, 0.3074, 0.2985

# 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.



42.0276, 0.3266, 0.3106



42.0276, 0.3174, 0.3602



42.0276, 0.2896, 0.2967

# Square

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



42.0276, 0.3174, 0.3602



42.0276, 0.2763, 0.3139



42.0276, 0.3071, 0.3001



42.0276, 0.3506, 0.3422



# Rectangle

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



42.0276, 0.3174, 0.3602



42.0276, 0.2877, 0.3372



42.0276, 0.3071, 0.3001



42.0276, 0.3380, 0.3204

# Sweetspot

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



42.0294, 0.3174, 0.3602



79.1835, 0.3143, 0.3388



40.8634, 0.3321, 0.3492



17.4815, 0.3146, 0.3407



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.



42.0294, 0.3174, 0.3602



75.2505, 0.3185, 0.3681



41.4325, 0.3083, 0.3554



9.6178, 0.3163, 0.3522



23.4357, 0.3169, 0.5866



0.7695, 0.3401, 0.5682



# Inverse Universe

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



35.6470, 0.3074, 0.2985



61.2283, 0.3060, 0.2910



36.3133, 0.3174, 0.3040



8.5076, 0.3088, 0.3062



5.2424, 0.2425, 0.1110



0.1946, 0.2652, 0.1235



# Previews

## White Background



This preview shows how the Yxy color 42.0276, 0.3174, 0.3602 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 42.0276, 0.3174, 0.3602 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

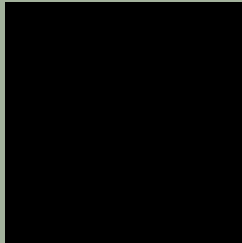
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

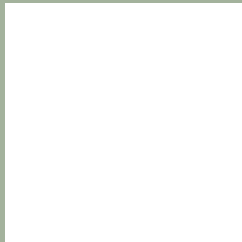
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.0276, 0.3174, 0.3602**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.0276, 0.3174, 0.3602.



This preview shows how white text looks on a background with the Yxy color 42.0276, 0.3174, 0.3602.

# 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

42.0276, 0.3174, 0.3602

### Protanopia

42.0108, 0.3371, 0.3563

### Deuteranopia

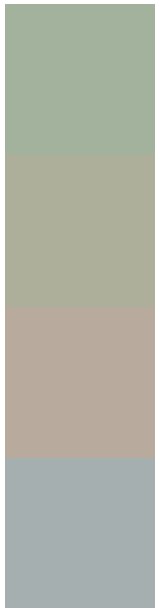
41.8418, 0.3483, 0.3408



## Tritanopia

42.1848, 0.2971, 0.3114

# Trichromacy



## Original Color

42.0276, 0.3174, 0.3602

## Protanomaly

41.9917, 0.3294, 0.3581

## Deuteranomaly

41.7505, 0.3368, 0.3479

## Tritanomaly

41.9015, 0.3041, 0.3276

# Monochromacy



## Original Color

42.0276, 0.3174, 0.3602

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

41.3501, 0.3140, 0.3402

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.0276, 0.3174, 0.3602 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(163, 178, 156)` looks like.

```
.text, #text, p{  
    color:rgb(163, 178, 156)  
}
```

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(163, 178, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 178, 156) }
```

## Border

The CSS property to change the border of an element to Yxy 42.0276, 0.3174, 0.3602 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(163, 178, 156) }
```

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

```
.border{ border-color:rgb(163, 178, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 178, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 178, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 178, 156);  
box-shadow:4px 4px 4px 4px rgb(163, 178,  
156) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.0276, 0.3174, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 178, 156) }
```

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

```
.background{ background-color: rgb(163,  
178, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor