

# Converting Colors

$Yxy(34.0426, 0.3725, 0.4222)$

Have a look what the booklet for  
Yxy(34.0426, 0.3725, 0.4222)  
contains.

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# Color

**Yxy(34.1581, 0.3721, 0.4229)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3A162
RGB	163, 161, 98
RGB Percent	64%, 63%, 38%
CMY	0.3607, 0.3686, 0.6158
CMYK	0.00, 0.01, 0.40, 0.36
HSL	58°, 26%, 51%
HSV	58°, 40%, 64%
XYZ	30.0549, 34.1581, 16.5581
YIQ	154.4160, 21.4150, -19.1690

# Conversions

## Conversions Part 2

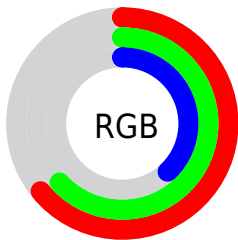
Format	Color
<a href="#">RYB</a>	<a href="#">100, 163, 98</a>
Decimal	<a href="#">10723682</a>
CIELab	<a href="#">65.09, -8.88, 33.05</a>
CIELCh	<a href="#">65, 34.225, 105.032</a>
Yxy	<a href="#">34.1581, 0.3721, 0.4229</a>
Android (android.graphics.Color)	<a href="#">4288913762 (0xFFA3A162)</a>
YUV	<a href="#">154.4160, -27.8131, 7.5282</a>
Hunter-Lab	<a href="#">58.4449, -10.4862, 24.1140</a>

# Details

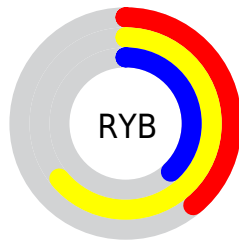
The Yxy color **34.1581, 0.3721, 0.4229** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.3525, 0.2414, 0.2138**, and the grayscale version is **32.6256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3738, 0.3610, 0.4043**, and **14.6971, 0.3875, 0.4526** is the 20% darker color. If you saturate the color by 10%, you get **33.7065, 0.3859, 0.4443**, and if you desaturate by 10%, it is **34.6762, 0.3573, 0.3998**.

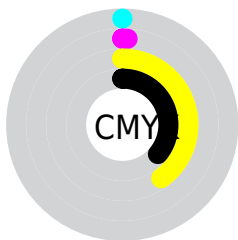
# Distribution



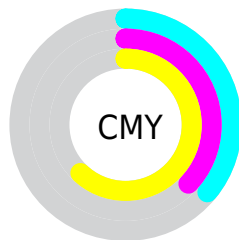
- Red (64%)
- Green (63%)
- Blue (38%)



- Red (39%)
- Yellow (64%)
- Blue (38%)



- Cyan (0%)
- Magenta (1%)
- Yellow (40%)
- Black (36%)




- Cyan (36%)
- Magenta (37%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1581, 0.3721, 0.4229 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 34.1581, 0.3721, 0.4229 by changing the saturation by 10% instead.




 34.1581, 0.3721,  
0.4229


 34.1581, 0.3721,  
0.4229


320.8364, 0.3421,  
0.3733


 23.0151, 0.3793,  
0.4359


 66.1795, 0.3613,  
0.4044


 14.6046, 0.3882,  
0.4526


 87.8266, 0.3572,  
0.3976

 8.5424, 0.3990,  
0.4749


 113.7439, 0.3538,  
0.3918

 4.4439, 0.4124,  
0.5063

 144.3157, 0.3508,  
0.3870

 1.9249, 0.4362,  
0.5638

179.9265, 0.3482,  
0.3828

 0.5633, 0.3613,  
0.6387

220.9606, 0.3459,

 0.0000, 0.0000,

0.3792

0.0000

267.8025, 0.3439,  
0.3761

■ 34.1581, 0.3721,  
0.4229

■ 34.1581, 0.3721,  
0.4229

■ 33.7065, 0.3859,  
0.4443

■ 34.6762, 0.3573,  
0.3998

■ 33.3130, 0.3982,  
0.4631

■ 35.2597, 0.3422,  
0.3759

■ 32.9748, 0.4084,  
0.4785


■ 35.9133, 0.3272,  
0.3520

■ 32.6871, 0.4162,  
0.4899


■ 36.6402, 0.3126,  
0.3288

■ 32.4443, 0.4215,  
0.4970

■ 37.4431, 0.2987,  
0.3066

 32.2334, 0.4247,  
0.5009

 38.3248, 0.2858,  
0.2857

 32.2313, 0.4247,  
0.5009

 39.2879, 0.2738,  
0.2664

 40.3348, 0.2628,  
0.2487

 41.4678, 0.2529,  
0.2325

# Harmonies

## Analogous

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



34.1581, 0.4083, 0.3986



34.1581, 0.3721, 0.4229



34.1581, 0.3217, 0.4198

# Triad

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



34.1581, 0.3721, 0.4229



34.1581, 0.2175, 0.2837



34.1581, 0.3506, 0.2813

# Complementary

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



34.1581, 0.3721, 0.4229



14.3525, 0.2414, 0.2138

# 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.



34.1581, 0.2965, 0.2551



34.1581, 0.3721, 0.4229



34.1581, 0.2235, 0.2539

# Square

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



34.1581, 0.3721, 0.4229



34.1581, 0.2340, 0.3317



34.1581, 0.2510, 0.2449



34.1581, 0.3969, 0.3184



# Rectangle

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



34.1581, 0.3721, 0.4229



34.1581, 0.2872, 0.3993



34.1581, 0.2510, 0.2449



34.1581, 0.3325, 0.2711

# Sweetspot

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



34.1597, 0.3721, 0.4229



64.0220, 0.3306, 0.3576



17.4419, 0.4068, 0.3258



14.3462, 0.3325, 0.3605



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



34.1597, 0.3721, 0.4229



60.4310, 0.3846, 0.4423



32.0400, 0.3396, 0.4366



8.1995, 0.3262, 0.3505



25.0576, 0.4247, 0.5010



0.5373, 0.4226, 0.5027



# Inverse Universe

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



14.3525, 0.2414, 0.2138



19.9099, 0.2226, 0.1831



15.9904, 0.2745, 0.2202



6.8934, 0.2987, 0.3065



2.1528, 0.1507, 0.0626



0.0552, 0.1541, 0.0746



# Previews

## White Background



This preview shows how the Yxy color 34.1581, 0.3721, 0.4229 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 34.1581, 0.3721, 0.4229 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

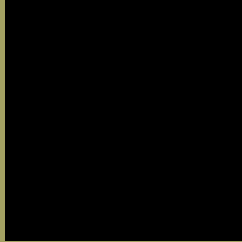
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 34.1581, 0.3721, 0.4229**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.1581, 0.3721, 0.4229.



This preview shows how white text looks on a background with the Yxy color 34.1581, 0.3721, 0.4229.

# 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

34.1581, 0.3721, 0.4229

### Protanopia

34.0874, 0.3842, 0.4171

### Deuteranopia

34.0005, 0.4052, 0.3981



## Tritanopia

34.1570, 0.3195, 0.3120

# Trichromacy



## Original Color

34.1581, 0.3721, 0.4229

## Protanomaly

34.0944, 0.3804, 0.4195

## Deuteranomaly

34.0468, 0.3928, 0.4078

## Tritanomaly

34.0249, 0.3389, 0.3511

# Monochromacy



## Original Color

34.1581, 0.3721, 0.4229

## Achromatopsia

32.3143, 0.3127, 0.3290

## Achromatomaly

33.0033, 0.3341, 0.3643

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.1581, 0.3721, 0.4229 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, 161, 98)` looks like.

```
.text, #text, p{  
    color:rgb(163, 161, 98)  
}
```

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, 161, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 161, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 34.1581, 0.3721, 0.4229 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, 161, 98) }
```

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

```
.border{ border-color:rgb(163, 161, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 161, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 161, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 161, 98);  
box-shadow:4px 4px 4px 4px rgb(163, 161,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.1581, 0.3721, 0.4229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 161, 98) }
```

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

```
.background{ background-color: rgb(163,  
161, 98) }
```

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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