

# Converting Colors

$Y_{xy}(42.1345, 0.3232, 0.3292)$

Have a look what the booklet for  
Yxy(42.1345, 0.3232, 0.3292)  
contains.

<b>Yxy(42.1334, 0.3236, 0.3290)</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(42.1334, 0.3236, 0.3290)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7ABAB
RGB	183, 171, 171
RGB Percent	72%, 67%, 67%
CMY	0.2824, 0.3294, 0.3293
CMYK	0.00, 0.07, 0.07, 0.28
HSL	360°, 8%, 69%
HSV	360°, 7%, 72%
XYZ	41.4418, 42.1334, 44.4898
YIQ	174.5880, 7.1520, 2.5440

# Conversions

## Conversions Part 2

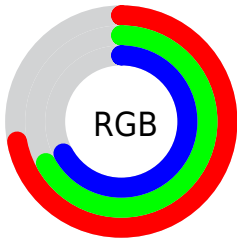
<b>Format</b>	<b>Color</b>
<b>RYB</b>	183, 171, 171
Decimal	12037035
CIELab	70.96, 4.30, 1.53
CIELCh	71, 4.566, 19.520
Yxy	42.1334, 0.3236, 0.3290
Android (android.graphics.Color)	4290227115 (0xFFB7ABAB)
YUV	174.5880, -1.7689, 7.3773
Hunter-Lab	64.9102, 0.3701, 4.7995

# Details

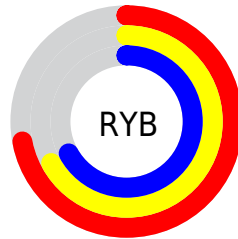
The Yxy color  $42.1334, 0.3236, 0.3290$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $45.9382, 0.3027, 0.3290$ , and the grayscale version is  $42.6533, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.2344, 0.3218, 0.3290$ , and  $19.2714, 0.3267, 0.3290$  is the 20% darker color. If you saturate the color by 10%, you get  $35.0446, 0.3436, 0.3290$ , and if you desaturate by 10%, it is  $50.2792, 0.3076, 0.3290$ .

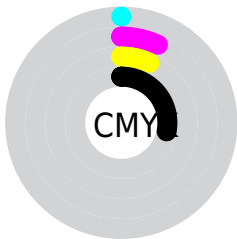
# Distribution



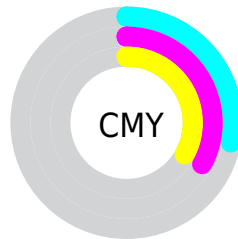
- Red (72%)
- Green (67%)
- Blue (67%)



- Red (72%)
- Yellow (67%)
- Blue (67%)



- Cyan (0%)
- Magenta (7%)
- Yellow (7%)
- Black (28%)



- Cyan (28%)
- Magenta (33%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1334, 0.3236, 0.3290 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 42.1334, 0.3236, 0.3290 by changing the saturation by 10% instead.



■ 42.1334, 0.3236,  
0.3290

■ 42.1334, 0.3236,  
0.3290

355.0356, 0.3181,  
0.3290

■ 29.2058, 0.3250,  
0.3290

■ 78.4015, 0.3216,  
0.3290

■ 19.2365, 0.3269,  
0.3290

102.5107, 0.3208,  
0.3290

■ 11.8413, 0.3294,  
0.3289

131.1159, 0.3202,  
0.3290

■ 6.6357, 0.3329,  
0.3289

164.6015, 0.3196,  
0.3290

■ 3.2353, 0.3385,  
0.3287

203.3519, 0.3191,  
0.3290

■ 1.2558, 0.3481,  
0.3284

247.7515, 0.3187,

■ 0.1066, 0.6402,

0.3290

0.3307

298.1846, 0.3184,  
0.3290

0.0000, 0.0000,  
0.0000

42.1334, 0.3236,  
0.3290

42.1334, 0.3236,  
0.3290

35.0446, 0.3436,  
0.3290

50.2792, 0.3076,  
0.3290

28.9643, 0.3686,  
0.3290

59.5169, 0.2947,  
0.3290

23.8482, 0.3995,  
0.3291

69.8868, 0.2843,  
0.3290

19.6470, 0.4369,  
0.3291

81.4254, 0.2759,  
0.3290

16.3067, 0.4805,  
0.3292

88.8058, 0.2716,  
0.3289

■ 13.7678, 0.5278,  
0.3294

■ 11.9630, 0.5737,  
0.3295

■ 10.8146, 0.6110,  
0.3297

■ 10.2175, 0.6337,  
0.3298

# Harmonies

## Analogous

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



42.1334, 0.3186, 0.3234



42.1334, 0.3236, 0.3290



42.1334, 0.3257, 0.3347

# Triad

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



42.1334, 0.3236, 0.3290



42.1334, 0.3133, 0.3390



42.1334, 0.3013, 0.3191

# Complementary

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



42.1334, 0.3236, 0.3290



45.9382, 0.3027, 0.3290

# 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.



42.1334, 0.2999, 0.3232



42.1334, 0.3236, 0.3290



42.1334, 0.3068, 0.3347

# Square

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



42.1334, 0.3236, 0.3290



42.1334, 0.3197, 0.3405



42.1334, 0.3020, 0.3289



42.1334, 0.3057, 0.3177



# Rectangle

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



42.1334, 0.3236, 0.3290



42.1334, 0.3251, 0.3377



42.1334, 0.3020, 0.3289



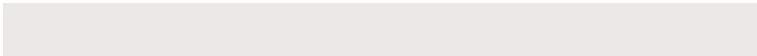
42.1334, 0.3005, 0.3202

# Sweetspot

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



42.1352, 0.3236, 0.3290



81.8228, 0.3159, 0.3290



42.5878, 0.3133, 0.3133



18.1059, 0.3158, 0.3290



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



42.1352, 0.3236, 0.3290



73.3386, 0.3265, 0.3290



44.3706, 0.3230, 0.3367



9.0125, 0.3287, 0.3290



7.0237, 0.6398, 0.3298



0.2477, 0.6388, 0.3293



# Inverse Universe

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



42.1352, 0.3236, 0.3290



73.3386, 0.3265, 0.3290



43.5991, 0.3028, 0.3212



9.0125, 0.3287, 0.3290



7.0237, 0.6398, 0.3298



0.2477, 0.6388, 0.3293



# Previews

## White Background



This preview shows how the Yxy color 42.1334, 0.3236, 0.3290 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

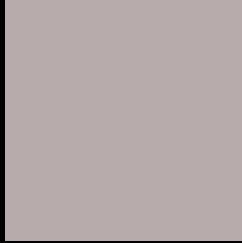
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.1334, 0.3236, 0.3290 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

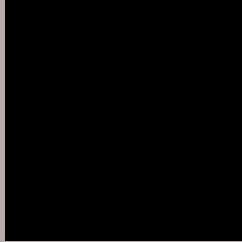
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

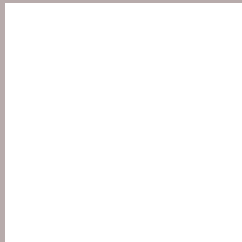
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 42.1334, 0.3236, 0.3290**

## Background



This preview shows how black text looks on a background with the Yxy color 42.1334, 0.3236, 0.3290.



This preview shows how white text looks on a background with the Yxy color 42.1334, 0.3236, 0.3290.

# 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

42.1334, 0.3236, 0.3290

### Protanopia

42.2128, 0.3171, 0.3304

### Deuteranopia

42.0602, 0.3306, 0.3238



## Tritanopia

42.1091, 0.3154, 0.3107

# Trichromacy



## Original Color

42.1334, 0.3236, 0.3290

## Protanomaly

42.0673, 0.3190, 0.3290

## Deuteranomaly

42.0459, 0.3276, 0.3251

## Tritanomaly

42.1945, 0.3178, 0.3172

# Monochromacy



## Original Color

42.1334, 0.3236, 0.3290

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

42.7931, 0.3163, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.1334, 0.3236, 0.3290 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(183, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(183, 171, 171)  
}
```

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(183, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 171, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 42.1334, 0.3236, 0.3290 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(183, 171, 171) }
```

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

```
.border{ border-color:rgb(183, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(183, 171,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.1334, 0.3236, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 171, 171) }
```

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

```
.background{ background-color: rgb(183,  
171, 171) }
```

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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