

Converting Colors

$Y_{xy}(40.4729, 0.3189, 0.3393)$

Have a look what the booklet for
Yxy(40.4729, 0.3189, 0.3393)
contains.

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Color

Yxy(40.4641, 0.3186, 0.3388)

Conversions

Conversions Part 1

Format	Color
Hex	ABABA4
RGB	171, 171, 164
RGB Percent	67%, 67%, 64%
CMY	0.3295, 0.3293, 0.3569
CMYK	0.00, 0.00, 0.04, 0.33
HSL	60°, 4%, 66%
HSV	60°, 4%, 67%
XYZ	38.0515, 40.4641, 40.9179
YIQ	170.2020, 2.2470, -2.1770

Conversions

Conversions Part 2

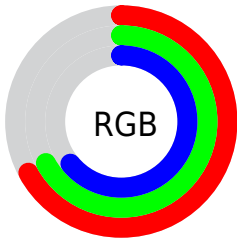
Format	Color
RYB	164, 171, 164
Decimal	11250596
CIELab	69.80, -1.31, 3.60
CIElCh	70, 3.834, 110.037
Yxy	40.4641, 0.3186, 0.3388
Android (android.graphics.Color)	4289440676 (0xFFABABA4)
YUV	170.2020, -3.0576, 0.6998
Hunter-Lab	63.6114, -4.5435, 6.3898

Details

The Yxy color **40.4641, 0.3186, 0.3388** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.3814, 0.3067, 0.3190**, and the grayscale version is **40.3173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6759, 0.3173, 0.3365**, and **18.2854, 0.3209, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **39.8757, 0.3332, 0.3632**, and if you desaturate by 10%, it is **41.1391, 0.3045, 0.3153**.

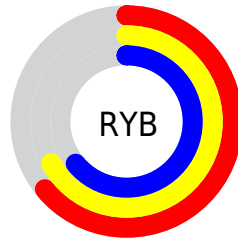
Distribution



Red (67%)

Green (67%)

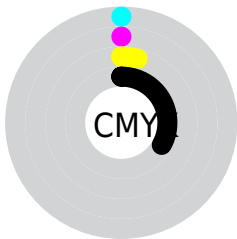
Blue (64%)



Red (64%)

Yellow (67%)

Blue (64%)

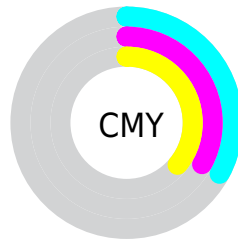


Cyan (0%)

Magenta (0%)

Yellow (4%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4641, 0.3186, 0.3388 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 40.4641, 0.3186, 0.3388 by changing the saturation by 10% instead.

 40.4641, 0.3186,
0.3388


 40.4641, 0.3186,
0.3388


348.0758, 0.3156,
0.3338

 27.9006, 0.3194,
0.3401


 75.8697, 0.3175,
0.3369

 18.2507, 0.3204,
0.3418


 99.4806, 0.3171,
0.3363

 11.1301, 0.3217,
0.3441


127.5427, 0.3167,
0.3357

 6.1544, 0.3237,
0.3474

160.4405, 0.3164,
0.3352

 2.9392, 0.3267,
0.3527

198.5583, 0.3162,
0.3348

 1.1001, 0.3321,
0.3621

242.2805, 0.3160,

 0.0000, 0.0000,

0.3344

0.0000

291.9916, 0.3158,
0.3341

■ 40.4641, 0.3186,
0.3388

■ 40.4641, 0.3186,
0.3388

■ 39.8757, 0.3332,
0.3632

■ 41.1391, 0.3045,
0.3153

■ 39.3653, 0.3481,
0.3880

■ 41.8986, 0.2911,
0.2931

■ 38.9312, 0.3627,
0.4124

■ 42.7473, 0.2787,
0.2724

■ 38.5697, 0.3765,
0.4355

■ 43.6879, 0.2673,
0.2534

■ 38.2765, 0.3889,
0.4564

■ 44.7232, 0.2568,
0.2360

■ 38.0473, 0.3995,
0.4743

■ 45.0863, 0.2537,
0.2308

■ 37.8770, 0.4078,
0.4883

■ 45.0998, 0.2538,
0.2308

■ 37.7598, 0.4136,
0.4982

■ 45.1132, 0.2539,
0.2308

■ 37.6887, 0.4169,
0.5040

■ 45.1266, 0.2539,
0.2309

Harmonies

Analogous

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



40.4641, 0.3225, 0.3375



40.4641, 0.3186, 0.3388



40.4641, 0.3132, 0.3375

Triad

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



40.4641, 0.3186, 0.3388



40.4641, 0.3018, 0.3240



40.4641, 0.3178, 0.3243

Complementary

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



40.4641, 0.3186, 0.3388



37.3814, 0.3067, 0.3190

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.



40.4641, 0.3122, 0.3208



40.4641, 0.3186, 0.3388



40.4641, 0.3030, 0.3205

Square

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



40.4641, 0.3186, 0.3388



40.4641, 0.3035, 0.3288



40.4641, 0.3068, 0.3194



40.4641, 0.3220, 0.3291

Rectangle

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



40.4641, 0.3186, 0.3388



40.4641, 0.3094, 0.3352



40.4641, 0.3068, 0.3194



40.4641, 0.3160, 0.3229

Sweetspot

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



40.4659, 0.3186, 0.3388



72.8142, 0.3142, 0.3314



37.8841, 0.3193, 0.3290



16.2393, 0.3141, 0.3313



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



40.4659, 0.3186, 0.3388



72.3477, 0.3200, 0.3412



40.0816, 0.3154, 0.3389



9.3796, 0.3207, 0.3424



28.3844, 0.4181, 0.5062



0.7905, 0.4185, 0.5059

Inverse Universe

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



37.3814, 0.3067, 0.3190



65.5585, 0.3052, 0.3166



37.7556, 0.3099, 0.3191



8.4154, 0.3045, 0.3153



2.2233, 0.1503, 0.0602



0.0627, 0.1515, 0.0608

Previews

White Background



This preview shows how the Yxy color 40.4641, 0.3186, 0.3388 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 40.4641, 0.3186, 0.3388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

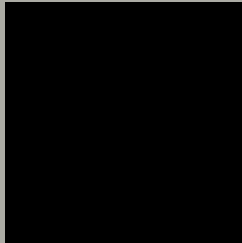
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4641, 0.3186, 0.3388

Background



This preview shows how black text looks on a background with the Yxy color 40.4641, 0.3186, 0.3388.



This preview shows how white text looks on a background with the Yxy color 40.4641, 0.3186, 0.3388.

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

40.4641, 0.3186, 0.3388

Protanopia

40.5078, 0.3233, 0.3387

Deuteranopia

40.4457, 0.3355, 0.3291



Tritanopia

40.3813, 0.3064, 0.3101

Trichromacy



Original Color

40.4641, 0.3186, 0.3388

Protanomaly

40.3925, 0.3223, 0.3387

Deuteranomaly

40.2991, 0.3285, 0.3318

Tritanomaly

40.3553, 0.3113, 0.3208

Monochromacy



Original Color

40.4641, 0.3186, 0.3388

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.1227, 0.3144, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4641, 0.3186, 0.3388 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(171, 171, 164)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 164)  
}
```

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(171, 171, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 164) }
```

Border

The CSS property to change the border of an element to Yxy 40.4641, 0.3186, 0.3388 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(171, 171, 164) }
```

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

```
.border{ border-color:rgb(171, 171, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 164);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4641, 0.3186, 0.3388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 164) }
```

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

```
.background{ background-color: rgb(171,  
171, 164) }
```

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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