

Converting Colors

$Y_{xy}(39.9190, 0.3205, 0.3400)$

Have a look what the booklet for
Yxy(39.9190, 0.3205, 0.3400)
contains.

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Color

Yxy(40.0160, 0.3204, 0.3402)

Conversions

Conversions Part 1

Format	Color
Hex	ABAAA2
RGB	171, 170, 162
RGB Percent	67%, 67%, 64%
CMY	0.3295, 0.3333, 0.3647
CMYK	0.00, 0.01, 0.05, 0.33
HSL	54°, 5%, 65%
HSV	54°, 5%, 67%
XYZ	37.6870, 40.0160, 39.9219
YIQ	169.3870, 3.1640, -2.2760

Conversions

Conversions Part 2

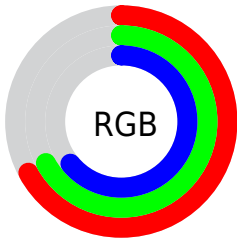
Format	Color
RYB	163, 171, 162
Decimal	11250338
CIELab	69.48, -1.12, 4.23
CIELCh	69, 4.381, 104.864
Yxy	40.0160, 0.3204, 0.3402
Android (android.graphics.Color)	4289440418 (0xFFABAAA2)
YUV	169.3870, -3.6418, 1.4146
Hunter-Lab	63.2582, -4.3578, 6.8632

Details

The Yxy color **40.0160, 0.3204, 0.3402** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8047, 0.3049, 0.3175**, and the grayscale version is **39.8944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0289, 0.3186, 0.3376**, and **18.0046, 0.3235, 0.3446** is the 20% darker color. If you saturate the color by 10%, you get **38.7664, 0.3357, 0.3622**, and if you desaturate by 10%, it is **41.3614, 0.3060, 0.3191**.

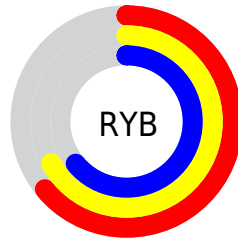
Distribution



Red (67%)

Green (67%)

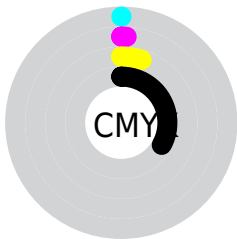
Blue (64%)



Red (64%)

Yellow (67%)

Blue (64%)

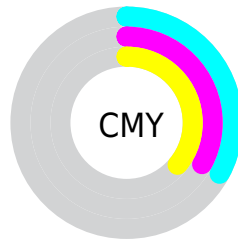


Cyan (0%)

Magenta (1%)

Yellow (5%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0160, 0.3204, 0.3402 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 40.0160, 0.3204, 0.3402 by changing the saturation by 10% instead.


 40.0160, 0.3204,
0.3402

 40.0160, 0.3204,
0.3402


346.1910, 0.3165,
0.3344

 27.5510, 0.3214,
0.3417


 75.1879, 0.3189,
0.3381

 17.9875, 0.3227,
0.3436


 98.6636, 0.3184,
0.3373

 10.9410, 0.3245,
0.3463


126.5783, 0.3180,
0.3366

 6.0272, 0.3271,
0.3501

159.3164, 0.3176,
0.3361

 2.8616, 0.3311,
0.3562

197.2623, 0.3172,
0.3356

 1.0599, 0.3388,
0.3676

240.8005, 0.3170,

 0.0000, 0.0000,

0.3352

0.0000

290.3153, 0.3167,
0.3348

■ 40.0160, 0.3204,
0.3402

■ 40.0160, 0.3204,
0.3402

■ 38.7664, 0.3357,
0.3622

■ 41.3614, 0.3060,
0.3191

■ 37.6040, 0.3515,
0.3846

■ 42.8005, 0.2926,
0.2992

■ 36.5270, 0.3676,
0.4068

■ 44.3380, 0.2802,
0.2807

■ 35.5316, 0.3833,
0.4279

■ 45.9769, 0.2690,
0.2635

■ 34.6135, 0.3981,
0.4470

■ 47.7199, 0.2588,
0.2479

■ 33.7681, 0.4114,
0.4633

■ 48.9363, 0.2547,
0.2427

■ 32.9904, 0.4226,
0.4758

■ 49.6885, 0.2550,
0.2449

■ 32.2744, 0.4311,
0.4841

■ 50.4505, 0.2553,
0.2471

■ 31.6126, 0.4371,
0.4882

■ 51.2225, 0.2556,
0.2493

Harmonies

Analogous

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



40.0160, 0.3244, 0.3382



40.0160, 0.3204, 0.3402



40.0160, 0.3143, 0.3392

Triad

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



40.0160, 0.3204, 0.3402



40.0160, 0.3003, 0.3241



40.0160, 0.3175, 0.3228

Complementary

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



40.0160, 0.3204, 0.3402



36.8047, 0.3049, 0.3175

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.



40.0160, 0.3110, 0.3191



40.0160, 0.3204, 0.3402



40.0160, 0.3011, 0.3198

Square

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



40.0160, 0.3204, 0.3402



40.0160, 0.3028, 0.3298



40.0160, 0.3050, 0.3180



40.0160, 0.3227, 0.3281

Rectangle

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



40.0160, 0.3204, 0.3402



40.0160, 0.3100, 0.3369



40.0160, 0.3050, 0.3180



40.0160, 0.3154, 0.3213

Sweetspot

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



40.0177, 0.3204, 0.3402



72.4474, 0.3157, 0.3333



37.1439, 0.3203, 0.3275



16.1620, 0.3155, 0.3331



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.



40.0177, 0.3204, 0.3402



71.4937, 0.3217, 0.3421



39.9994, 0.3171, 0.3416



9.2636, 0.3223, 0.3430



23.6562, 0.4392, 0.4895



0.6991, 0.4324, 0.4948

Inverse Universe

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



36.8047, 0.3049, 0.3175



64.8320, 0.3036, 0.3156



36.8289, 0.3081, 0.3163



8.3433, 0.3030, 0.3146



2.5920, 0.1525, 0.0690



0.1152, 0.1620, 0.1031

Previews

White Background



This preview shows how the Yxy color 40.0160, 0.3204, 0.3402 looks on a white background.

Color Contrast Check

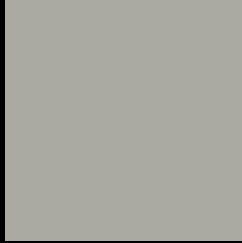
Large Text (above 18pt) WCAG AA × Fail

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 40.0160, 0.3204, 0.3402 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

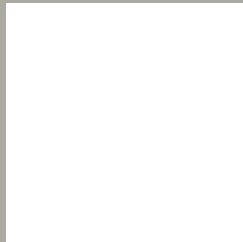
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0160, 0.3204, 0.3402

Background



This preview shows how black text looks on a background with the Yxy color 40.0160, 0.3204, 0.3402.



This preview shows how white text looks on a background with the Yxy color 40.0160, 0.3204, 0.3402.

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

40.0160, 0.3204, 0.3402

Protanopia

40.0631, 0.3251, 0.3401

Deuteranopia

39.8866, 0.3365, 0.3304



Tritanopia

39.9314, 0.3081, 0.3114

Trichromacy



Original Color

40.0160, 0.3204, 0.3402

Protanomaly

39.9478, 0.3242, 0.3401

Deuteranomaly

39.8619, 0.3304, 0.3331

Tritanomaly

39.9066, 0.3130, 0.3221

Monochromacy



Original Color

40.0160, 0.3204, 0.3402

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6752, 0.3162, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0160, 0.3204, 0.3402 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, 170, 162)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 162)  
}
```

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, 170, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 162) }
```

Border

The CSS property to change the border of an element to Yxy 40.0160, 0.3204, 0.3402 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, 170, 162) }
```

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

```
.border{ border-color:rgb(171, 170, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 170, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 170, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 170, 162);  
box-shadow:4px 4px 4px 4px rgb(171, 170,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0160, 0.3204, 0.3402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 162) }
```

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

```
.background{ background-color: rgb(171,  
170, 162) }
```

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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