

Converting Colors

$Y_{xy}(40.7494, 0.3205, 0.3332)$

Have a look what the booklet for
Yxy(40.7494, 0.3205, 0.3332)
contains.

Yxy(40.7696, 0.3207, 0.3331)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.7696, 0.3207, 0.3331)

Conversions

Conversions Part 1

Format	Color
Hex	B0AAA7
RGB	176, 170, 167
RGB Percent	69%, 67%, 65%
CMY	0.3099, 0.3333, 0.3450
CMYK	0.00, 0.03, 0.05, 0.31
HSL	20°, 5%, 67%
HSV	20°, 5%, 69%
XYZ	39.2519, 40.7696, 42.3730
YIQ	171.4520, 4.5390, 0.3390

Conversions

Conversions Part 2

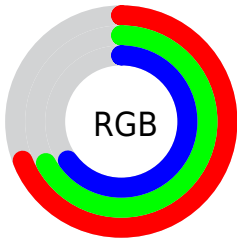
Format	Color
RYB	176, 172, 167
Decimal	11578023
CIELab	70.01, 1.59, 2.28
CIElCh	70, 2.783, 55.088
Yxy	40.7696, 0.3207, 0.3331
Android (android.graphics.Color)	4289768103 (0xFFB0AAA7)
YUV	171.4520, -2.1948, 3.9886
Hunter-Lab	63.8511, -2.0080, 5.3496

Details

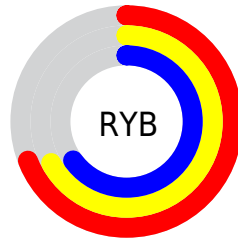
The Yxy color $40.7696, 0.3207, 0.3331$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $41.2368, 0.3050, 0.3249$, and the grayscale version is $40.9735, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.2802, 0.3196, 0.3322$, and $18.4798, 0.3240, 0.3347$ is the 20% darker color. If you saturate the color by 10%, you get $35.9591, 0.3385, 0.3416$, and if you desaturate by 10%, it is $46.0649, 0.3056, 0.3252$.

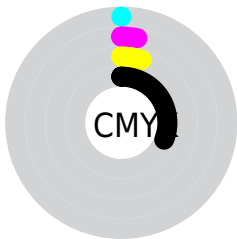
Distribution



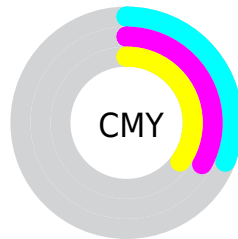
- Red (69%)
- Green (67%)
- Blue (65%)



- Red (69%)
- Yellow (67%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (5%)
- Black (31%)



- Cyan (31%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7696, 0.3207, 0.3331 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 40.7696, 0.3207, 0.3331 by changing the saturation by 10% instead.

■ 40.7696, 0.3207,
0.3331

■ 40.7696, 0.3207,
0.3331

■ 349.3567, 0.3166,
0.3310

■ 28.1391, 0.3218,
0.3336

■ 76.3340, 0.3192,
0.3323

■ 18.4305, 0.3231,
0.3343

■ 100.0367, 0.3186,
0.3321

■ 11.2595, 0.3250,
0.3352

■ 128.1989, 0.3182,
0.3318

■ 6.2417, 0.3277,
0.3366

■ 161.2051, 0.3178,
0.3316

■ 2.9926, 0.3319,
0.3386

■ 199.4396, 0.3174,
0.3314

■ 1.1279, 0.3393,
0.3422

■ 243.2867, 0.3171,

■ 0.0016, 0.9625,

0.3313

0.0375

293.1310, 0.3169,
0.3311

0.0000, 0.0000,
0.0000

40.7696, 0.3207,
0.3331

40.7696, 0.3207,
0.3331

35.9591, 0.3385,
0.3416

46.0649, 0.3056,
0.3252

31.6142, 0.3594,
0.3505

51.8529, 0.2928,
0.3179

27.7225, 0.3838,
0.3596

58.1480, 0.2819,
0.3112

24.2685, 0.4119,
0.3684

64.9623, 0.2726,
0.3051

21.2363, 0.4434,
0.3762

72.3067, 0.2646,
0.2996

■ 18.6087, 0.4776,
0.3819

■ 79.0086, 0.2662,
0.3128

■ 16.3671, 0.5128,
0.3844

■ 86.1575, 0.2677,
0.3258

■ 14.4916, 0.5461,
0.3826

■ 87.9672, 0.2681,
0.3289

■ 12.9594, 0.5745,
0.3760

Harmonies

Analogous

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



40.7696, 0.3198, 0.3297



40.7696, 0.3207, 0.3331



40.7696, 0.3194, 0.3354

Triad

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



40.7696, 0.3207, 0.3331



40.7696, 0.3084, 0.3319



40.7696, 0.3091, 0.3221

Complementary

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



40.7696, 0.3207, 0.3331



41.2368, 0.3050, 0.3249

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.



40.7696, 0.3060, 0.3226



40.7696, 0.3207, 0.3331



40.7696, 0.3057, 0.3283

Square

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



40.7696, 0.3207, 0.3331



40.7696, 0.3123, 0.3348



40.7696, 0.3048, 0.3249



40.7696, 0.3131, 0.3234

Rectangle

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



40.7696, 0.3207, 0.3331



40.7696, 0.3176, 0.3361



40.7696, 0.3048, 0.3249



40.7696, 0.3079, 0.3220

Sweetspot

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



40.7714, 0.3207, 0.3331



76.8038, 0.3158, 0.3306



39.8977, 0.3157, 0.3207



16.6673, 0.3157, 0.3305



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



40.7714, 0.3207, 0.3331



73.0382, 0.3224, 0.3339



42.4198, 0.3202, 0.3390



9.2711, 0.3231, 0.3343



9.1387, 0.5853, 0.3735



0.3976, 0.5304, 0.4171

Inverse Universe

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



41.2368, 0.3050, 0.3249



74.0454, 0.3035, 0.3240



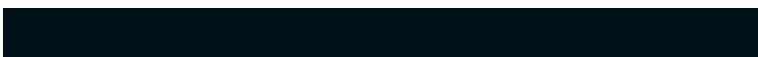
39.6050, 0.3051, 0.3188



9.4082, 0.3028, 0.3236



11.8054, 0.1939, 0.2179



0.4733, 0.2035, 0.2525

Previews

White Background



This preview shows how the Yxy color 40.7696, 0.3207, 0.3331 looks on a white background.

Color Contrast Check

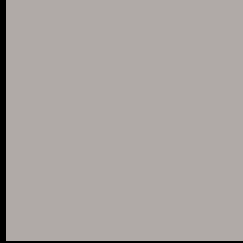
Large Text (above 18pt) WCAG AA × Fail

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 40.7696, 0.3207, 0.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

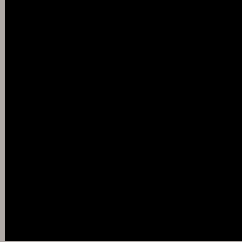
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

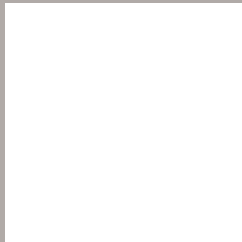
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.7696, 0.3207, 0.3331

Background



This preview shows how black text looks on a background with the Yxy color 40.7696, 0.3207, 0.3331.



This preview shows how white text looks on a background with the Yxy color 40.7696, 0.3207, 0.3331.

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

40.7696, 0.3207, 0.3331

Protanopia

40.6534, 0.3198, 0.3331

Deuteranopia

40.5562, 0.3327, 0.3251



Tritanopia

40.8064, 0.3108, 0.3116

Trichromacy



Original Color

40.7696, 0.3207, 0.3331

Protanomaly

40.6534, 0.3198, 0.3331

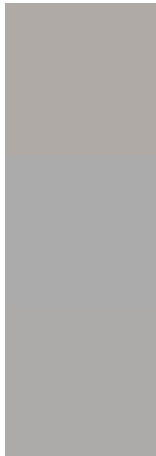
Deuteranomaly

40.6549, 0.3277, 0.3277

Tritanomaly

40.8576, 0.3141, 0.3196

Monochromacy



Original Color

40.7696, 0.3207, 0.3331

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

40.9123, 0.3154, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7696, 0.3207, 0.3331 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(176, 170, 167)` looks like.

```
.text, #text, p{  
    color:rgb(176, 170, 167)  
}
```

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(176, 170, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 170, 167) }
```

Border

The CSS property to change the border of an element to Yxy 40.7696, 0.3207, 0.3331 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(176, 170, 167) }
```

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

```
.border{ border-color:rgb(176, 170, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 170, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 170, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 170, 167);  
box-shadow:4px 4px 4px 4px rgb(176, 170,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7696, 0.3207, 0.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 170, 167) }
```

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

```
.background{ background-color: rgb(176,  
170, 167) }
```

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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