

Converting Colors

$Y_{xy}(45.5099, 0.3030, 0.3355)$

Have a look what the booklet for
Yxy(45.5099, 0.3030, 0.3355)
contains.

Yxy(45.3371, 0.3025, 0.3344)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(45.3371, 0.3025, 0.3344)

Conversions

Conversions Part 1

Format	Color
Hex	A7B7B3
RGB	167, 183, 179
RGB Percent	65%, 72%, 70%
CMY	0.3449, 0.2824, 0.2981
CMYK	0.09, 0.00, 0.02, 0.28
HSL	165°, 10%, 69%
HSV	165°, 9%, 72%
XYZ	41.0122, 45.3371, 49.2282
YIQ	177.7600, -8.2520, -4.6360

Conversions

Conversions Part 2

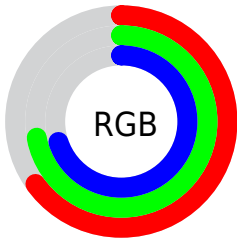
Format	Color
RYB	167, 176, 183
Decimal	10991539
CIELab	73.11, -6.28, 0.14
CIELCh	73, 6.282, 178.710
Yxy	45.3371, 0.3025, 0.3344
Android (android.graphics.Color)	4289181619 (0xFFA7B7B3)
YUV	177.7600, 0.6113, -9.4365
Hunter-Lab	67.3328, -9.1088, 3.7851

Details

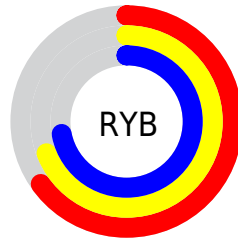
The Yxy color $45.3371, 0.3025, 0.3344$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $40.6634, 0.3240, 0.3237$, and the grayscale version is $44.3914, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2608, 0.3041, 0.3332$, and $21.1165, 0.2999, 0.3365$ is the 20% darker color. If you saturate the color by 10%, you get $43.3012, 0.2912, 0.3412$, and if you desaturate by 10%, it is $47.6651, 0.3142, 0.3282$.

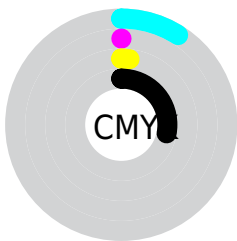
Distribution



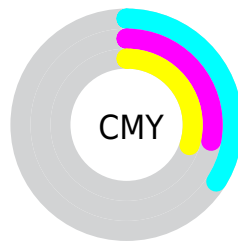
- Red (65%)
- Green (72%)
- Blue (70%)



- Red (65%)
- Yellow (69%)
- Blue (72%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)





- Cyan (34%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3371, 0.3025, 0.3344 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 45.3371, 0.3025, 0.3344 by changing the saturation by 10% instead.


 45.3371, 0.3025,
0.3344

 45.3371, 0.3025,
0.3344


368.1371, 0.3076,
0.3317

 31.7230, 0.3012,
0.3351


 83.2260, 0.3044,
0.3334

 21.1500, 0.2995,
0.3360


 108.2697, 0.3051,
0.3330

 13.2337, 0.2973,
0.3371


137.8920, 0.3057,
0.3327

 7.5897, 0.2942,
0.3388

172.4774, 0.3062,
0.3325

 3.8335, 0.2895,
0.3413

212.4101, 0.3066,
0.3322

 1.5809, 0.2815,
0.3455

258.0748, 0.3070,

 0.3447, 0.1971,

0.3320

0.3897

309.8556, 0.3073,
0.3319

0.0000, 0.0000,
0.0000

45.3371, 0.3025,
0.3344

45.3371, 0.3025,
0.3344

43.3012, 0.2912,
0.3412

47.6651, 0.3142,
0.3282

41.5398, 0.2806,
0.3486

50.2906, 0.3262,
0.3227

40.0421, 0.2711,
0.3566

53.2260, 0.3382,
0.3178

38.7946, 0.2628,
0.3651

56.4814, 0.3500,
0.3135

37.7822, 0.2561,
0.3740

59.3882, 0.3586,
0.3094

■ 36.9884, 0.2512,
0.3831

■ 59.6094, 0.3547,
0.3047

■ 36.3944, 0.2482,
0.3925

■ 59.8371, 0.3508,
0.3001

■ 35.9784, 0.2471,
0.4018

■ 60.0715, 0.3470,
0.2955

■ 35.7023, 0.2477,
0.4110

■ 60.3125, 0.3431,
0.2909

Harmonies

Analogous

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



45.3371, 0.3108, 0.3411



45.3371, 0.3025, 0.3344



45.3371, 0.2970, 0.3263

Triad

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



45.3371, 0.3025, 0.3344



45.3371, 0.3057, 0.3141



45.3371, 0.3301, 0.3386

Complementary

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



45.3371, 0.3025, 0.3344



40.6634, 0.3240, 0.3237

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.



45.3371, 0.3287, 0.3314



45.3371, 0.3025, 0.3344



45.3371, 0.3145, 0.3174

Square

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



45.3371, 0.3025, 0.3344



45.3371, 0.2988, 0.3147



45.3371, 0.3230, 0.3237



45.3371, 0.3267, 0.3434

Rectangle

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



45.3371, 0.3025, 0.3344



45.3371, 0.2956, 0.3213



45.3371, 0.3230, 0.3237



45.3371, 0.3302, 0.3363

Sweetspot

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



45.3390, 0.3025, 0.3344



83.5032, 0.3091, 0.3308



45.3477, 0.3153, 0.3507



18.3689, 0.3082, 0.3313



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.



45.3390, 0.3025, 0.3344



80.6467, 0.3008, 0.3353



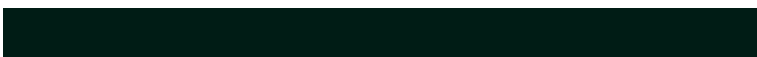
43.9888, 0.2995, 0.3239



10.1710, 0.3018, 0.3348



24.8974, 0.2475, 0.4111



0.8870, 0.2409, 0.3873

Inverse Universe

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



40.6634, 0.3240, 0.3237



70.9734, 0.3261, 0.3227



41.8963, 0.3271, 0.3340



9.0483, 0.3249, 0.3233



7.1703, 0.5894, 0.3021



0.2630, 0.5148, 0.2610

Previews

White Background



This preview shows how the Yxy color 45.3371, 0.3025, 0.3344 looks on a white background.

Color Contrast Check

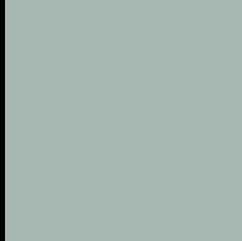
Large Text (above 18pt) WCAG AA × Fail

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 45.3371, 0.3025, 0.3344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

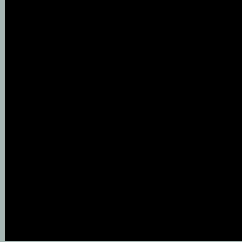
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

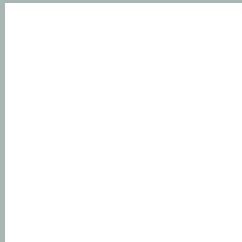
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.3371, 0.3025, 0.3344

Background



This preview shows how black text looks on a background with the Yxy color 45.3371, 0.3025, 0.3344.



This preview shows how white text looks on a background with the Yxy color 45.3371, 0.3025, 0.3344.

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

45.3371, 0.3025, 0.3344

Protanopia

45.0427, 0.3187, 0.3316

Deuteranopia

45.3441, 0.3265, 0.3202



Tritanopia

45.5339, 0.2929, 0.3105

Trichromacy



Original Color

45.3371, 0.3025, 0.3344

Protanomaly

45.1640, 0.3125, 0.3330

Deuteranomaly

45.0539, 0.3173, 0.3251

Tritanomaly

45.5650, 0.2966, 0.3196

Monochromacy



Original Color

45.3371, 0.3025, 0.3344

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

44.8555, 0.3092, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3371, 0.3025, 0.3344 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(167, 183, 179)` looks like.

```
.text, #text, p{  
    color:rgb(167, 183, 179)  
}
```

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(167, 183, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 183, 179) }
```

Border

The CSS property to change the border of an element to Yxy 45.3371, 0.3025, 0.3344 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(167, 183, 179) }
```

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

```
.border{ border-color:rgb(167, 183, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 183, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 183, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 183, 179);  
box-shadow:4px 4px 4px 4px rgb(167, 183,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3371, 0.3025, 0.3344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 183, 179) }
```

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

```
.background{ background-color: rgb(167,  
183, 179) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor