

Converting Colors

$Yxy(45.7234, 0.3104, 0.3348)$

Have a look what the booklet for
Yxy(45.7234, 0.3104, 0.3348)
contains.

Yxy(45.7842, 0.3099, 0.3343)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7842, 0.3099, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	AFB6B2
RGB	175, 182, 178
RGB Percent	69%, 71%, 70%
CMY	0.3138, 0.2863, 0.3019
CMYK	0.04, 0.00, 0.02, 0.29
HSL	146°, 5%, 70%
HSV	146°, 4%, 71%
XYZ	42.4425, 45.7842, 48.7287
YIQ	179.4510, -2.8880, -2.7280

Conversions

Conversions Part 2

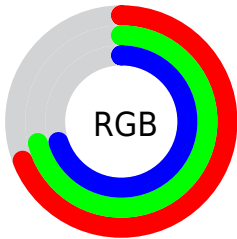
Format	Color
RYB	175, 180, 182
Decimal	11515570
CIELab	73.41, -3.20, 1.17
CIELCh	73, 3.403, 159.965
Yxy	45.7842, 0.3099, 0.3343
Android (android.graphics.Color)	4289705650 (0xFFAFB6B2)
YUV	179.4510, -0.7153, -3.9035
Hunter-Lab	67.6640, -6.4473, 4.6667

Details

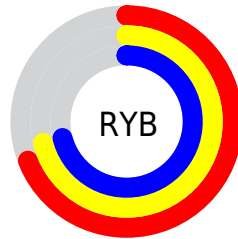
The Yxy color **45.7842, 0.3099, 0.3343** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **43.8555, 0.3156, 0.3238**, and the grayscale version is **45.3382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0785, 0.3105, 0.3331**, and **21.3921, 0.3100, 0.3363** is the 20% darker color. If you saturate the color by 10%, you get **43.4202, 0.3027, 0.3492**, and if you desaturate by 10%, it is **48.4673, 0.3172, 0.3210**.

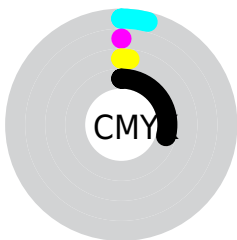
Distribution



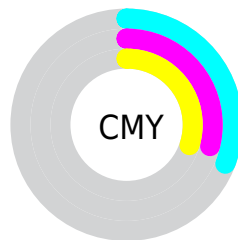
- Red (69%)
- Green (71%)
- Blue (70%)



- Red (69%)
- Yellow (71%)
- Blue (71%)



- Cyan (4%)
- Magenta (0%)
- Yellow (2%)
- Black (29%)




- Cyan (31%)
- Magenta (29%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7842, 0.3099, 0.3343 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 45.7842, 0.3099, 0.3343 by changing the saturation by 10% instead.


 45.7842, 0.3099,
0.3343

 45.7842, 0.3099,
0.3343


369.9404, 0.3113,
0.3316

 32.0756, 0.3095,
0.3350


 83.8959, 0.3104,
0.3333

 21.4192, 0.3091,
0.3358


109.0678, 0.3106,
0.3330

 13.4308, 0.3085,
0.3370


138.8296, 0.3108,
0.3327

 7.7259, 0.3076,
0.3386

173.5656, 0.3109,
0.3324

 3.9200, 0.3063,
0.3411

213.6603, 0.3110,
0.3322

 1.6289, 0.3040,
0.3453

259.4981, 0.3111,

 0.3770, 0.2842,

0.3320

0.3822

311.4633, 0.3112,
0.3318

0.0000, 0.0000,
0.0000

45.7842, 0.3099,
0.3343

45.7842, 0.3099,
0.3343

43.4202, 0.3027,
0.3492

48.4673, 0.3172,
0.3210

41.3575, 0.2956,
0.3658

51.4749, 0.3244,
0.3093

39.5853, 0.2891,
0.3841

54.8197, 0.3314,
0.2991

38.0899, 0.2834,
0.4040

58.5120, 0.3381,
0.2901

36.8566, 0.2788,
0.4251

60.4168, 0.3356,
0.2808

■ 35.8690, 0.2755,
0.4470

■ 61.0145, 0.3274,
0.2710

■ 35.1092, 0.2740,
0.4691

■ 61.6472, 0.3195,
0.2616

■ 34.5562, 0.2744,
0.4907

■ 61.9383, 0.3161,
0.2575

■ 34.1853, 0.2767,
0.5110

Harmonies

Analogous

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



45.7842, 0.3147, 0.3368



45.7842, 0.3099, 0.3343



45.7842, 0.3059, 0.3303

Triad

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



45.7842, 0.3099, 0.3343



45.7842, 0.3064, 0.3209



45.7842, 0.3219, 0.3319

Complementary

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



45.7842, 0.3099, 0.3343



43.8555, 0.3156, 0.3238

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.



45.7842, 0.3196, 0.3277



45.7842, 0.3099, 0.3343



45.7842, 0.3107, 0.3214

Square

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



45.7842, 0.3099, 0.3343



45.7842, 0.3038, 0.3226



45.7842, 0.3155, 0.3238



45.7842, 0.3217, 0.3354

Rectangle

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



45.7842, 0.3099, 0.3343



45.7842, 0.3041, 0.3274



45.7842, 0.3155, 0.3238



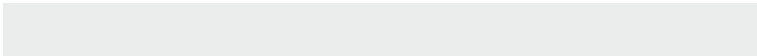
45.7842, 0.3214, 0.3305

Sweetspot

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



45.7862, 0.3099, 0.3343



84.3244, 0.3120, 0.3304



46.1466, 0.3158, 0.3383



18.6302, 0.3120, 0.3303



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.



45.7862, 0.3099, 0.3343



82.4462, 0.3090, 0.3360



45.9246, 0.3073, 0.3298



10.3277, 0.3086, 0.3368



24.0332, 0.2780, 0.5207



0.8597, 0.2635, 0.4685

Inverse Universe

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



43.8555, 0.3156, 0.3238



77.8671, 0.3166, 0.3221



43.7195, 0.3185, 0.3282



9.6957, 0.3170, 0.3213



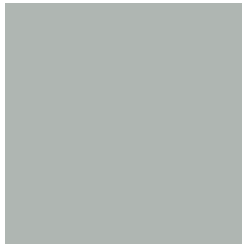
7.7344, 0.4648, 0.2334



0.2848, 0.4182, 0.2078

Previews

White Background



This preview shows how the Yxy color 45.7842, 0.3099, 0.3343 looks on a white background.

Color Contrast Check

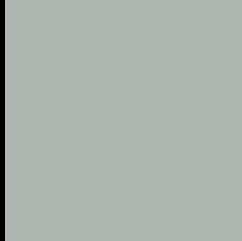
Large Text (above 18pt) WCAG AA × Fail

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 45.7842, 0.3099, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

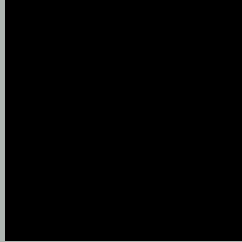
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

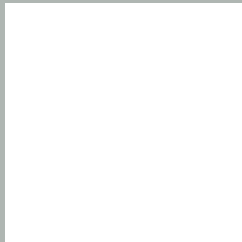
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7842, 0.3099, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 45.7842, 0.3099, 0.3343.



This preview shows how white text looks on a background with the Yxy color 45.7842, 0.3099, 0.3343.

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

45.7842, 0.3099, 0.3343

Protanopia

45.5651, 0.3195, 0.3329

Deuteranopia

45.5732, 0.3292, 0.3215



Tritanopia

45.8847, 0.2993, 0.3108

Trichromacy



Original Color

45.7842, 0.3099, 0.3343

Protanomaly

45.6406, 0.3160, 0.3330

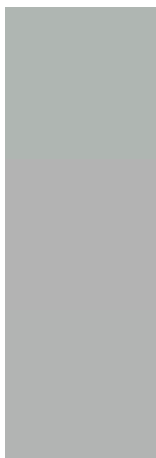
Deuteranomaly

45.6461, 0.3225, 0.3265

Tritanomaly

45.9087, 0.3030, 0.3198

Monochromacy



Original Color

45.7842, 0.3099, 0.3343

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.3622, 0.3118, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7842, 0.3099, 0.3343 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(175, 182, 178)` looks like.

```
.text, #text, p{  
    color:rgb(175, 182, 178)  
}
```

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(175, 182, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 182, 178) }
```

Border

The CSS property to change the border of an element to Yxy 45.7842, 0.3099, 0.3343 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(175, 182, 178) }
```

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

```
.border{ border-color:rgb(175, 182, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 182, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 182, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 182, 178);  
box-shadow:4px 4px 4px 4px rgb(175, 182,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7842, 0.3099, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 182, 178) }
```

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

```
.background{ background-color: rgb(175,  
182, 178) }
```

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