

Converting Colors

$Y_{xy}(45.4505, 0.2909, 0.3388)$

Have a look what the booklet for
Yxy(45.4505, 0.2909, 0.3388)
contains.

Yxy(45.6082, 0.2907, 0.3387)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6082, 0.2907, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	99BBB4
RGB	153, 187, 180
RGB Percent	60%, 73%, 71%
CMY	0.3999, 0.2667, 0.2942
CMYK	0.18, 0.00, 0.04, 0.27
HSL	168°, 20%, 67%
HSV	168°, 18%, 73%
XYZ	39.1447, 45.6082, 49.9037
YIQ	176.0360, -18.0170, -9.3850

Conversions

Conversions Part 2

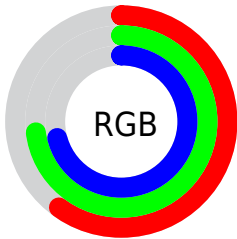
Format	Color
RYB	153, 172, 187
Decimal	10075060
CIELab	73.29, -12.87, -0.25
CIElCh	73, 12.871, 181.121
Yxy	45.6082, 0.2907, 0.3387
Android (android.graphics.Color)	4288265140 (0xFF99BBB4)
YUV	176.0360, 1.9543, -20.2026
Hunter-Lab	67.5338, -14.7202, 3.4617

Details

The Yxy color $45.6082, 0.2907, 0.3387$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $35.8922, 0.3404, 0.3195$, and the grayscale version is $43.4337, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.5672, 0.2947, 0.3364$, and $21.3492, 0.2843, 0.3425$ is the 20% darker color. If you saturate the color by 10%, you get $43.7751, 0.2796, 0.3447$, and if you desaturate by 10%, it is $47.7347, 0.3026, 0.3332$.

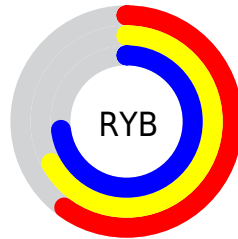
Distribution



Red (60%)

Green (73%)

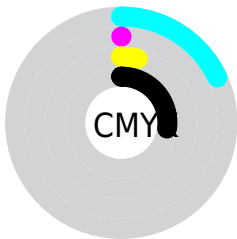
Blue (71%)



Red (60%)

Yellow (67%)

Blue (73%)

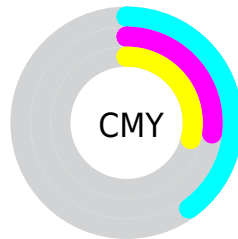


Cyan (18%)

Magenta (0%)

Yellow (4%)

Black (27%)



Cyan (40%)


Magenta (27%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6082, 0.2907, 0.3387 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 45.6082, 0.2907, 0.3387 by changing the saturation by 10% instead.


 45.6082, 0.2907,
0.3387


 45.6082, 0.2907,
0.3387


369.2312, 0.3017,
0.3339

 31.9368, 0.2879,
0.3399

 83.6323, 0.2947,
0.3369

 21.3132, 0.2844,
0.3415


 108.7538, 0.2962,
0.3363

 13.3531, 0.2796,
0.3435


138.4607, 0.2975,
0.3357

 7.6722, 0.2730,
0.3464

173.1375, 0.2986,
0.3352

 3.8859, 0.2630,
0.3508

213.1686, 0.2995,
0.3348

 1.6099, 0.2464,
0.3580

258.9383, 0.3004,

 0.3643, 0.0396,

0.3345

0.4494

310.8310, 0.3011,
0.3341

0.0000, 0.0000,
0.0000

45.6082, 0.2907,
0.3387

45.6082, 0.2907,
0.3387

43.7751, 0.2796,
0.3447

47.7347, 0.3026,
0.3332

42.2163, 0.2695,
0.3512

50.1613, 0.3150,
0.3281

40.9196, 0.2607,
0.3581

52.9016, 0.3277,
0.3236

39.8692, 0.2536,
0.3653

55.9667, 0.3404,
0.3196

39.0478, 0.2482,
0.3727

59.3670, 0.3529,
0.3160

■ 38.4358, 0.2448,
0.3802

■ 61.1230, 0.3568,
0.3124

■ 38.0102, 0.2433,
0.3878

■ 61.3101, 0.3535,
0.3084

■ 37.7347, 0.2434,
0.3952

■ 61.5018, 0.3503,
0.3045

■ 37.6902, 0.2435,
0.3966

■ 61.6981, 0.3471,
0.3006

Harmonies

Analogous

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



45.6082, 0.3070, 0.3532



45.6082, 0.2907, 0.3387



45.6082, 0.2804, 0.3218

Triad

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



45.6082, 0.2907, 0.3387



45.6082, 0.2996, 0.2994



45.6082, 0.3482, 0.3492

Complementary

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



45.6082, 0.2907, 0.3387



35.8922, 0.3404, 0.3195

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.



45.6082, 0.3462, 0.3347



45.6082, 0.2907, 0.3387



45.6082, 0.3177, 0.3065

Square

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



45.6082, 0.2907, 0.3387



45.6082, 0.2853, 0.2996



45.6082, 0.3349, 0.3192



45.6082, 0.3404, 0.3589

Rectangle

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



45.6082, 0.2907, 0.3387



45.6082, 0.2781, 0.3118



45.6082, 0.3349, 0.3192



45.6082, 0.3487, 0.3447

Sweetspot

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



45.6101, 0.2907, 0.3387



86.7750, 0.3064, 0.3315



45.3554, 0.3166, 0.3769



19.0437, 0.3055, 0.3319



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.6101, 0.2907, 0.3387



80.2483, 0.2859, 0.3412



41.9538, 0.2851, 0.3155



10.7748, 0.3012, 0.3338



25.9784, 0.2433, 0.3957



1.0263, 0.2383, 0.3778

Inverse Universe

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



35.8922, 0.3404, 0.3195



59.4667, 0.3484, 0.3172



38.9341, 0.3452, 0.3421



9.5678, 0.3257, 0.3243



7.3875, 0.6030, 0.3096



0.2990, 0.5366, 0.2730

Previews

White Background



This preview shows how the Yxy color 45.6082, 0.2907, 0.3387 looks on a white background.

Color Contrast Check

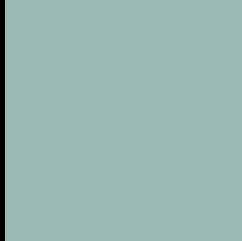
Large Text (above 18pt) WCAG AA × Fail

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 45.6082, 0.2907, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

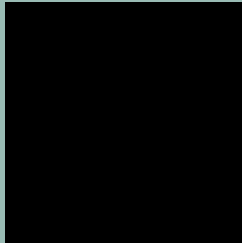
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6082, 0.2907, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 45.6082, 0.2907, 0.3387.



This preview shows how white text looks on a background with the Yxy color 45.6082, 0.2907, 0.3387.

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

45.6082, 0.2907, 0.3387

Protanopia

45.5257, 0.3203, 0.3343

Deuteranopia

45.2931, 0.3239, 0.3176



Tritanopia

45.5726, 0.2802, 0.3088

Trichromacy



Original Color

45.6082, 0.2907, 0.3387

Protanomaly

45.5145, 0.3090, 0.3357

Deuteranomaly

45.3209, 0.3112, 0.3251

Tritanomaly

45.5716, 0.2844, 0.3194

Monochromacy



Original Color

45.6082, 0.2907, 0.3387

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

44.1417, 0.3049, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6082, 0.2907, 0.3387 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(153, 187, 180)` looks like.

```
.text, #text, p{  
    color:rgb(153, 187, 180)  
}
```

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(153, 187, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 187, 180) }
```

Border

The CSS property to change the border of an element to Yxy 45.6082, 0.2907, 0.3387 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(153, 187, 180) }
```

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

```
.border{ border-color:rgb(153, 187, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 187, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 187, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 187, 180);  
box-shadow:4px 4px 4px 4px rgb(153, 187,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6082, 0.2907, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 187, 180) }
```

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

```
.background{ background-color: rgb(153,  
187, 180) }
```

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