

Converting Colors

$Yxy(45.7099, 0.2903, 0.3483)$

Have a look what the booklet for
Yxy(45.7099, 0.2903, 0.3483)
contains.

Yxy(45.7862, 0.2905, 0.3487)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.7862, 0.2905, 0.3487)

Conversions

Conversions Part 1

Format	Color
Hex	94BDAF
RGB	148, 189, 175
RGB Percent	58%, 74%, 69%
CMY	0.4197, 0.2588, 0.3138
CMYK	0.22, 0.00, 0.07, 0.26
HSL	159°, 24%, 66%
HSV	159°, 22%, 74%
XYZ	38.1442, 45.7862, 47.3750
YIQ	175.1450, -19.9420, -13.0460

Conversions

Conversions Part 2

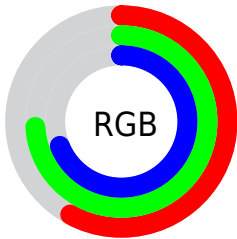
Format	Color
RYB	148, 173, 189
Decimal	9747887
CIELab	73.41, -16.57, 2.60
CIELCh	73, 16.768, 171.087
Yxy	45.7862, 0.2905, 0.3487
Android (android.graphics.Color)	4287937967 (0xFF94BDAF)
YUV	175.1450, -0.0715, -23.8062
Hunter-Lab	67.6655, -17.7911, 5.8548

Details

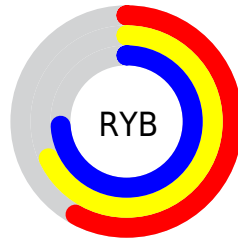
The Yxy color $45.7862, 0.2905, 0.3487$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $34.6036, 0.3415, 0.3102$, and the grayscale version is $42.9555, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.7145, 0.2951, 0.3452$, and $21.5252, 0.2833, 0.3545$ is the 20% darker color. If you saturate the color by 10%, you get $43.9195, 0.2812, 0.3592$, and if you desaturate by 10%, it is $47.9567, 0.3005, 0.3391$.

Distribution



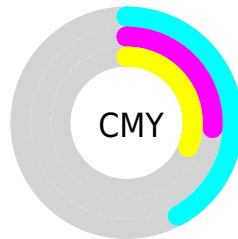
- Red (58%)
- Green (74%)
- Blue (69%)



- Red (58%)
- Yellow (68%)
- Blue (74%)



- Cyan (22%)
- Magenta (0%)
- Yellow (7%)
- Black (26%)




- Cyan (42%)
- Magenta (26%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7862, 0.2905, 0.3487 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 45.7862, 0.2905, 0.3487 by changing the saturation by 10% instead.

 45.7862, 0.2905,
0.3487


 45.7862, 0.2905,
0.3487


369.9484, 0.3017,
0.3387

 32.0771, 0.2877,
0.3512


 83.8989, 0.2946,
0.3450

 21.4204, 0.2840,
0.3545


 109.0714, 0.2961,
0.3437

 13.4317, 0.2792,
0.3590


138.8338, 0.2974,
0.3425

 7.7265, 0.2723,
0.3653

173.5705, 0.2985,
0.3415

 3.9204, 0.2619,
0.3749

213.6659, 0.2995,
0.3407

 1.6291, 0.2445,
0.3915

259.5045, 0.3003,

 0.3771, 0.0000,

0.3399

0.6222

311.4705, 0.3010,
0.3393

0.0000, 0.0000,
0.0000

45.7862, 0.2905,
0.3487

45.7862, 0.2905,
0.3487

43.9195, 0.2812,
0.3592

47.9567, 0.3005,
0.3391

42.3366, 0.2729,
0.3705

50.4383, 0.3109,
0.3304

41.0244, 0.2659,
0.3826

53.2455, 0.3215,
0.3226

39.9658, 0.2604,
0.3952

56.3898, 0.3322,
0.3157

39.1424, 0.2568,
0.4082

59.8824, 0.3426,
0.3095

■ 38.5328, 0.2552,
0.4214

■ 62.5019, 0.3477,
0.3037

■ 38.1116, 0.2555,
0.4344

■ 62.8382, 0.3424,
0.2972

■ 37.8644, 0.2570,
0.4450

■ 63.1877, 0.3373,
0.2909

■ 63.5507, 0.3322,
0.2846

Harmonies

Analogous

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



45.7862, 0.3131, 0.3653



45.7862, 0.2905, 0.3487



45.7862, 0.2742, 0.3267

Triad

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



45.7862, 0.2905, 0.3487



45.7862, 0.2886, 0.2898



45.7862, 0.3596, 0.3490

Complementary

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



45.7862, 0.2905, 0.3487



34.6036, 0.3415, 0.3102

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.



45.7862, 0.3527, 0.3293



45.7862, 0.2905, 0.3487



45.7862, 0.3109, 0.2960

Square

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



45.7862, 0.2905, 0.3487



45.7862, 0.2731, 0.2932



45.7862, 0.3346, 0.3103



45.7862, 0.3534, 0.3644

Rectangle

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



45.7862, 0.2905, 0.3487



45.7862, 0.2688, 0.3126



45.7862, 0.3346, 0.3103



45.7862, 0.3588, 0.3426

Sweetspot

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



45.7881, 0.2905, 0.3487



87.8515, 0.3052, 0.3350



46.2542, 0.3218, 0.3865



18.8354, 0.3046, 0.3355



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.



45.7881, 0.2905, 0.3487



80.3558, 0.2860, 0.3535



43.7763, 0.2803, 0.3203



10.7526, 0.3029, 0.3370



25.4883, 0.2565, 0.4434



1.0102, 0.2479, 0.4126

Inverse Universe

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



34.6036, 0.3415, 0.3102



56.7938, 0.3496, 0.3059



36.1141, 0.3543, 0.3375



9.5888, 0.3236, 0.3212



7.5461, 0.5579, 0.2847



0.3081, 0.4898, 0.2472

Previews

White Background



This preview shows how the Yxy color 45.7862, 0.2905, 0.3487 looks on a white background.

Color Contrast Check

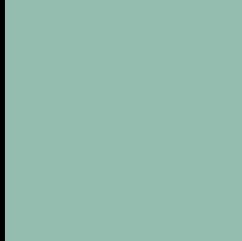
Large Text (above 18pt) WCAG AA × Fail

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 45.7862, 0.2905, 0.3487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

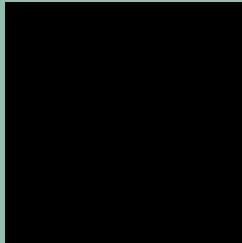
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

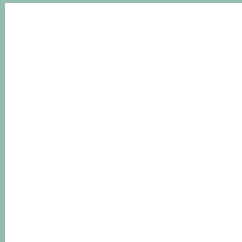
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.7862, 0.2905, 0.3487

Background



This preview shows how black text looks on a background with the Yxy color 45.7862, 0.2905, 0.3487.

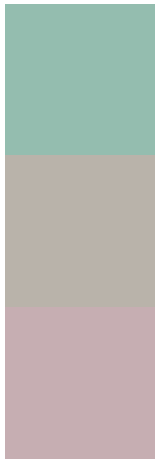


This preview shows how white text looks on a background with the Yxy color 45.7862, 0.2905, 0.3487.

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

45.7862, 0.2905, 0.3487

Protanopia

45.4568, 0.3253, 0.3409

Deuteranopia

45.4922, 0.3309, 0.3240



Tritanopia

45.6404, 0.2767, 0.3087

Trichromacy



Original Color

45.7862, 0.2905, 0.3487

Protanomaly

45.6162, 0.3120, 0.3439

Deuteranomaly

45.1178, 0.3152, 0.3317

Tritanomaly

45.4587, 0.2814, 0.3220

Monochromacy



Original Color

45.7862, 0.2905, 0.3487

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.7370, 0.3039, 0.3359

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7862, 0.2905, 0.3487 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(148, 189, 175)` looks like.

```
.text, #text, p{  
    color:rgb(148, 189, 175)  
}
```

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(148, 189, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 189, 175) }
```

Border

The CSS property to change the border of an element to Yxy 45.7862, 0.2905, 0.3487 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(148, 189, 175) }
```

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

```
.border{ border-color:rgb(148, 189, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 189, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 189, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 189, 175);  
box-shadow:4px 4px 4px 4px rgb(148, 189,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7862, 0.2905, 0.3487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 189, 175) }
```

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

```
.background{ background-color: rgb(148,  
189, 175) }
```

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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