

Converting Colors

$Yxy(42.6003, 0.2945, 0.3835)$

Have a look what the booklet for
Yxy(42.6003, 0.2945, 0.3835)
contains.

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Color

Yxy(42.6003, 0.2945, 0.3835)

Conversions

Conversions Part 1

Format	Color
Hex	83BB97
RGB	131, 187, 151
RGB Percent	51%, 73%, 59%
CMY	0.4863, 0.2666, 0.4079
CMYK	0.30, 0.00, 0.19, 0.27
HSL	141°, 29%, 62%
HSV	141°, 30%, 73%
XYZ	32.7139, 42.6003, 35.7687
YIQ	166.1520, -21.8200, -23.0680

Conversions

Conversions Part 2

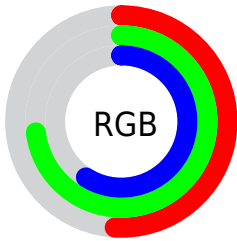
Format	Color
RYB	131, 172, 187
Decimal	8633239
CIELab	71.28, -25.82, 12.49
CIElCh	71, 28.678, 154.185
Yxy	42.6003, 0.2945, 0.3835
Android (android.graphics.Color)	4286823319 (0xFF83BB97)
YUV	166.1520, -7.4699, -30.8283
Hunter-Lab	65.2689, -24.7533, 13.1961

Details

The Yxy color $42.6003, 0.2945, 0.3835$ is a light color, and the websafe version is hex $99CC99$. A complement of this color would be $29.5865, 0.3371, 0.2802$, and the grayscale version is $38.2546, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8232, 0.2982, 0.3726$, and $19.3574, 0.2879, 0.4005$ is the 20% darker color. If you saturate the color by 10%, you get $40.8703, 0.2892, 0.4055$, and if you desaturate by 10%, it is $44.6432, 0.3003, 0.3633$.

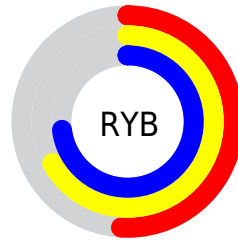
Distribution



Red (51%)

Green (73%)

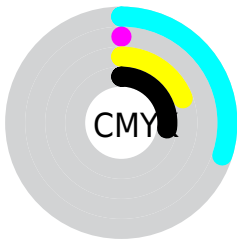
Blue (59%)



Red (51%)

Yellow (67%)

Blue (73%)

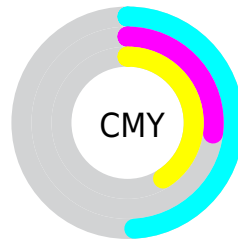


Cyan (30%)

Magenta (0%)

Yellow (19%)

Black (27%)



Cyan (49%)

Magenta (27%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6003, 0.2945, 0.3835 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 42.6003, 0.2945, 0.3835 by changing the saturation by 10% instead.


 42.6003, 0.2945,
0.3835

 42.6003, 0.2945,
0.3835


356.9654, 0.3042,
0.3548


 29.5716, 0.2919,
0.3911


 79.1073, 0.2982,
0.3727

 19.5137, 0.2883,
0.4012


 103.3545, 0.2995,
0.3688

 12.0420, 0.2834,
0.4152


 132.1100, 0.3006,
0.3655

 6.7723, 0.2759,
0.4359

165.7581, 0.3016,
0.3627

 3.3201, 0.2637,
0.4691

204.6833, 0.3024,
0.3603

 1.3011, 0.2375,
0.5548

249.2700, 0.3031,

 0.1420, 0.0000,

0.3583

1.0000

299.9026, 0.3037,
0.3565

0.0000, 0.0000,
0.0000

42.6003, 0.2945,
0.3835

42.6003, 0.2945,
0.3835

40.8703, 0.2892,
0.4055

44.6432, 0.3003,
0.3633

39.4322, 0.2848,
0.4291

47.0082, 0.3065,
0.3451

38.2706, 0.2816,
0.4537

49.7108, 0.3127,
0.3289

37.3667, 0.2799,
0.4786

52.7637, 0.3189,
0.3146

36.6988, 0.2799,
0.5027

56.1791, 0.3250,
0.3021

■ 36.2419, 0.2817,
0.5251

■ 59.9685, 0.3308,
0.2911

■ 35.9470, 0.2847,
0.5450

■ 62.8116, 0.3308,
0.2807

■ 35.9458, 0.2848,
0.5451

■ 63.5311, 0.3216,
0.2694

■ 64.0237, 0.3158,
0.2624

Harmonies

Analogous

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



42.6003, 0.3355, 0.4025



42.6003, 0.2945, 0.3835



42.6003, 0.2599, 0.3467

Triad

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



42.6003, 0.2945, 0.3835



42.6003, 0.2542, 0.2631



42.6003, 0.3914, 0.3428

Complementary

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



42.6003, 0.2945, 0.3835



29.5865, 0.3371, 0.2802

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.



42.6003, 0.3668, 0.3098



42.6003, 0.2945, 0.3835



42.6003, 0.2861, 0.2655

Square

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



42.6003, 0.2945, 0.3835



42.6003, 0.2379, 0.2770



42.6003, 0.3274, 0.2823



42.6003, 0.3930, 0.3749

Rectangle

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



42.6003, 0.2945, 0.3835



42.6003, 0.2446, 0.3195



42.6003, 0.3274, 0.2823



42.6003, 0.3856, 0.3316

Sweetspot

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



42.6021, 0.2945, 0.3835



84.5529, 0.3070, 0.3438



45.4414, 0.3396, 0.4073



18.4737, 0.3061, 0.3463



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.



42.6021, 0.2945, 0.3835



74.1779, 0.2909, 0.3979



43.6070, 0.2756, 0.3411



10.7044, 0.3069, 0.3441



24.7776, 0.2841, 0.5429



0.9832, 0.2700, 0.4920

Inverse Universe

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



29.5865, 0.3371, 0.2802



47.0870, 0.3442, 0.2692



28.6715, 0.3687, 0.3174



9.6369, 0.3191, 0.3144



8.2321, 0.4350, 0.2170



0.3345, 0.4011, 0.1983

Previews

White Background



This preview shows how the Yxy color 42.6003, 0.2945, 0.3835 looks on a white background.

Color Contrast Check

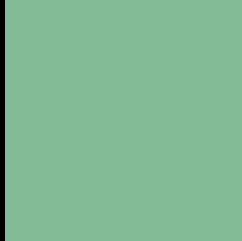
Large Text (above 18pt) WCAG AA × Fail

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 42.6003, 0.2945, 0.3835 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 42.6003, 0.2945, 0.3835

Background



This preview shows how black text looks on a background with the Yxy color 42.6003, 0.2945, 0.3835.



This preview shows how white text looks on a background with the Yxy color 42.6003, 0.2945, 0.3835.

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

42.6003, 0.2945, 0.3835

Protanopia

42.0911, 0.3479, 0.3684

Deuteranopia

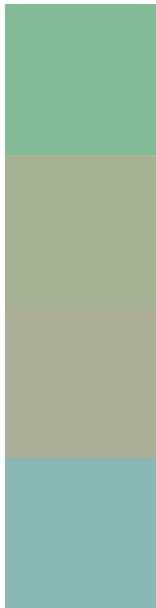
42.3776, 0.3527, 0.3459



Tritanopia

42.5633, 0.2702, 0.3092

Trichromacy



Original Color

42.6003, 0.2945, 0.3835

Protanomaly

41.9467, 0.3265, 0.3731

Deuteranomaly

41.9917, 0.3294, 0.3581

Tritanomaly

42.4400, 0.2791, 0.3347

Monochromacy



Original Color

42.6003, 0.2945, 0.3835

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.6176, 0.3048, 0.3480

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6003, 0.2945, 0.3835 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(131, 187, 151)` looks like.

```
.text, #text, p{  
    color:rgb(131, 187, 151)  
}
```

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(131, 187, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 187, 151) }
```

Border

The CSS property to change the border of an element to Yxy 42.6003, 0.2945, 0.3835 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(131, 187, 151) }
```

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

```
.border{ border-color:rgb(131, 187, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 187, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 187, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 187, 151);  
box-shadow:4px 4px 4px 4px rgb(131, 187,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6003, 0.2945, 0.3835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 187, 151) }
```

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

```
.background{ background-color: rgb(131,  
187, 151) }
```

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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