

Converting Colors

$Y_{xy}(46.3048, 0.3030, 0.3525)$

Have a look what the booklet for
Yxy(46.3048, 0.3030, 0.3525)
contains.

Yxy(46.3803, 0.3027, 0.3525)	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(46.3803, 0.3027, 0.3525)

Conversions

Conversions Part 1

Format	Color
Hex	A0BCAB
RGB	160, 188, 171
RGB Percent	63%, 74%, 67%
CMY	0.3726, 0.2627, 0.3295
CMYK	0.15, 0.00, 0.09, 0.26
HSL	144°, 17%, 68%
HSV	144°, 15%, 74%
XYZ	39.8278, 46.3803, 45.3672
YIQ	177.6900, -11.2310, -11.2230

Conversions

Conversions Part 2

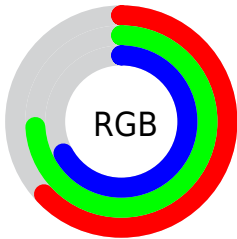
Format	Color
R _{YB}	160, 180, 188
Decimal	10534059
CIE Lab	73.79, -12.88, 5.43
CIE LCh	74, 13.976, 157.121
Yxy	46.3803, 0.3027, 0.3525
Android (android.graphics.Color)	4288724139 (0xFFA0BCAB)
YUV	177.6900, -3.2982, -15.5141
Hunter-Lab	68.1031, -14.7905, 8.1759

Details

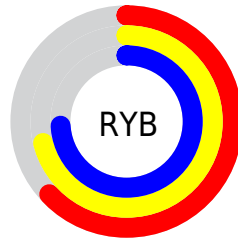
The Yxy color **46.3803, 0.3027, 0.3525** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.0074, 0.3242, 0.3066**, and the grayscale version is **44.3701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6394, 0.3048, 0.3481**, and **21.8480, 0.2993, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **44.1717, 0.2962, 0.3706**, and if you desaturate by 10%, it is **48.9235, 0.3094, 0.3363**.

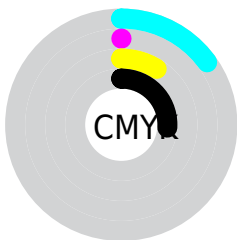
Distribution



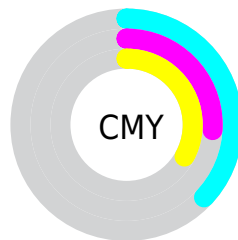
- Red (63%)
- Green (74%)
- Blue (67%)



- Red (63%)
- Yellow (71%)
- Blue (74%)



- Cyan (15%)
- Magenta (0%)
- Yellow (9%)
- Black (26%)





- Cyan (37%)
- Magenta (26%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3803, 0.3027, 0.3525 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 46.3803, 0.3027, 0.3525 by changing the saturation by 10% instead.

 46.3803, 0.3027,
0.3525


 46.3803, 0.3027,
0.3525

372.3355, 0.3078,
0.3405

 32.5460, 0.3014,
0.3556

 84.7879, 0.3046,
0.3481

 21.7789, 0.2997,
0.3595


 110.1299, 0.3053,
0.3465

 13.6945, 0.2974,
0.3649


140.0768, 0.3059,
0.3451

 7.9085, 0.2941,
0.3725

175.0127, 0.3064,
0.3439

 4.0365, 0.2890,
0.3843

215.3221, 0.3068,
0.3429

 1.6940, 0.2802,
0.4047

261.3895, 0.3072,

 0.4198, 0.1455,

0.3420

0.7218

313.5991, 0.3075,
0.3412

0.0000, 0.0000,
0.0000

46.3803, 0.3027,
0.3525

46.3803, 0.3027,
0.3525

44.1717, 0.2962,
0.3706

48.9235, 0.3094,
0.3363

42.2779, 0.2902,
0.3905

51.8087, 0.3162,
0.3219

40.6856, 0.2850,
0.4120

55.0503, 0.3228,
0.3092

39.3785, 0.2808,
0.4349

58.6601, 0.3292,
0.2981

38.3386, 0.2781,
0.4584

62.6495, 0.3354,
0.2883

■ 37.5457, 0.2770,
0.4819

■ 63.4957, 0.3273,
0.2775

■ 36.9768, 0.2778,
0.5045

■ 64.1951, 0.3187,
0.2670

■ 36.6039, 0.2804,
0.5254

■ 64.4501, 0.3158,
0.2634

■ 36.4602, 0.2820,
0.5352

Harmonies

Analogous

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



46.3803, 0.3224, 0.3623



46.3803, 0.3027, 0.3525



46.3803, 0.2861, 0.3358

Triad

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



46.3803, 0.3027, 0.3525



46.3803, 0.2857, 0.2966



46.3803, 0.3502, 0.3384

Complementary

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



46.3803, 0.3027, 0.3525



39.0074, 0.3242, 0.3066

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.



46.3803, 0.3398, 0.3216



46.3803, 0.3027, 0.3525



46.3803, 0.3022, 0.2980

Square

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



46.3803, 0.3027, 0.3525



46.3803, 0.2765, 0.3035



46.3803, 0.3220, 0.3071



46.3803, 0.3502, 0.3533

Rectangle

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



46.3803, 0.3027, 0.3525



46.3803, 0.2788, 0.3236



46.3803, 0.3220, 0.3071



46.3803, 0.3478, 0.3328

Sweetspot

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



46.3823, 0.3027, 0.3525



89.0703, 0.3100, 0.3350



47.8867, 0.3254, 0.3665



19.0739, 0.3095, 0.3362



95.5105, 0.3127, 0.3290



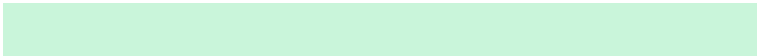
19.5994, 0.3127, 0.3290

Same Dimension

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



46.3823, 0.3027, 0.3525



82.6271, 0.3005, 0.3584



46.9348, 0.2927, 0.3334



10.7099, 0.3064, 0.3433



24.8352, 0.2814, 0.5329



0.9857, 0.2675, 0.4830

Inverse Universe

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



39.0074, 0.3242, 0.3066



66.6022, 0.3273, 0.3013



38.4857, 0.3370, 0.3247



9.6312, 0.3196, 0.3151



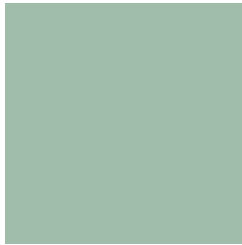
8.1263, 0.4489, 0.2246



0.3308, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 46.3803, 0.3027, 0.3525 looks on a white background.

Color Contrast Check

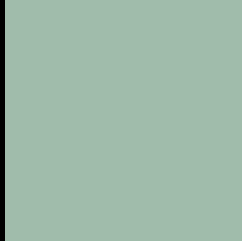
Large Text (above 18pt) WCAG AA × Fail

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 46.3803, 0.3027, 0.3525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

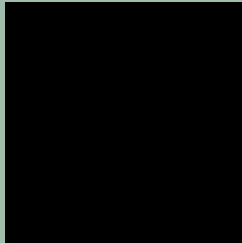
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3803, 0.3027, 0.3525

Background



This preview shows how black text looks on a background with the Yxy color 46.3803, 0.3027, 0.3525.



This preview shows how white text looks on a background with the Yxy color 46.3803, 0.3027, 0.3525.

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

46.3803, 0.3027, 0.3525

Protanopia

46.1239, 0.3303, 0.3460

Deuteranopia

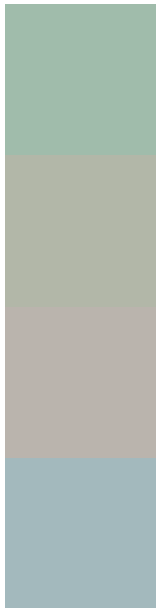
46.1334, 0.3369, 0.3303



Tritanopia

46.4038, 0.2863, 0.3092

Trichromacy



Original Color

46.3803, 0.3027, 0.3525

Protanomaly

46.1591, 0.3203, 0.3490

Deuteranomaly

46.0987, 0.3236, 0.3382

Tritanomaly

46.1586, 0.2919, 0.3236

Monochromacy



Original Color

46.3803, 0.3027, 0.3525

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.2090, 0.3089, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3803, 0.3027, 0.3525 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(160, 188, 171)` looks like.

```
.text, #text, p{  
    color:rgb(160, 188, 171)  
}
```

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(160, 188, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 188, 171) }
```

Border

The CSS property to change the border of an element to Yxy 46.3803, 0.3027, 0.3525 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(160, 188, 171) }
```

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

```
.border{ border-color:rgb(160, 188, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 188, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 188, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 188, 171);  
box-shadow:4px 4px 4px 4px rgb(160, 188,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3803, 0.3027, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 188, 171) }
```

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

```
.background{ background-color: rgb(160,  
188, 171) }
```

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