

Converting Colors

$Y_{xy}(46.1074, 0.2922, 0.3359)$

Have a look what the booklet for
Yxy(46.1074, 0.2922, 0.3359)
contains.

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Color

Yxy(46.0861, 0.2923, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	9DBBB6
RGB	157, 187, 182
RGB Percent	62%, 73%, 71%
CMY	0.3844, 0.2666, 0.2862
CMYK	0.16, 0.00, 0.03, 0.27
HSL	170°, 18%, 67%
HSV	170°, 16%, 73%
XYZ	40.1160, 46.0861, 51.0406
YIQ	177.4600, -16.2750, -7.9150

Conversions

Conversions Part 2

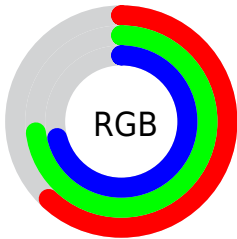
Format	Color
RYB	157, 173, 187
Decimal	10337206
CIELab	73.60, -11.16, -0.88
CIELCh	74, 11.191, 184.501
Yxy	46.0861, 0.2923, 0.3358
Android (android.graphics.Color)	4288527286 (0xFF9DBBB6)
YUV	177.4600, 2.2382, -17.9434
Hunter-Lab	67.8867, -13.3215, 2.9436

Details

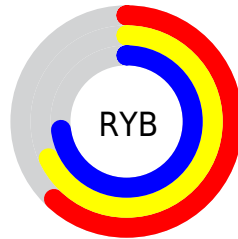
The Yxy color **46.0861, 0.2923, 0.3358** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.2815, 0.3378, 0.3223**, and the grayscale version is **44.2147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2713, 0.2960, 0.3342**, and **21.6384, 0.2864, 0.3385** is the 20% darker color. If you saturate the color by 10%, you get **44.2217, 0.2805, 0.3405**, and if you desaturate by 10%, it is **48.2451, 0.3049, 0.3314**.

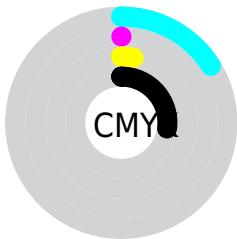
Distribution



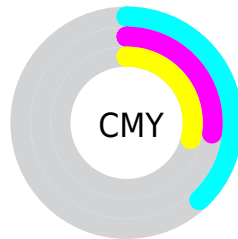
- Red (62%)
- Green (73%)
- Blue (71%)



- Red (62%)
- Yellow (68%)
- Blue (73%)



- Cyan (16%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)




- Cyan (38%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0861, 0.2923, 0.3358 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 46.0861, 0.2923, 0.3358 by changing the saturation by 10% instead.


 46.0861, 0.2923,
0.3358


 46.0861, 0.2923,
0.3358


371.1547, 0.3025,
0.3324

 32.3138, 0.2898,
0.3366


 84.3478, 0.2960,
0.3346

 21.6013, 0.2865,
0.3377

 109.6060, 0.2974,
0.3341

 13.5642, 0.2821,
0.3391


139.4616, 0.2986,
0.3337

 7.8182, 0.2760,
0.3411

174.2991, 0.2996,
0.3334

 3.9788, 0.2669,
0.3439

214.5027, 0.3005,
0.3331

 1.6617, 0.2518,
0.3486

260.4569, 0.3012,

 0.3987, 0.1065,

0.3329

0.3984

312.5461, 0.3019,
0.3326

0.0000, 0.0000,
0.0000

46.0861, 0.2923,
0.3358

46.0861, 0.2923,
0.3358

44.2217, 0.2805,
0.3405

48.2451, 0.3049,
0.3314

42.6330, 0.2698,
0.3456

50.7052, 0.3179,
0.3275

41.3080, 0.2604,
0.3511

53.4798, 0.3312,
0.3239

40.2312, 0.2525,
0.3567

56.5798, 0.3445,
0.3208

39.3858, 0.2465,
0.3625

60.0157, 0.3577,
0.3180

■ 38.7528, 0.2423,
0.3685

■ 61.0067, 0.3589,
0.3149

■ 38.3100, 0.2400,
0.3744

■ 61.1545, 0.3563,
0.3117

■ 38.0292, 0.2396,
0.3803

■ 61.3052, 0.3537,
0.3086

■ 37.9398, 0.2396,
0.3826

■ 61.4590, 0.3511,
0.3054

Harmonies

Analogous

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



46.0861, 0.3061, 0.3487



46.0861, 0.2923, 0.3358



46.0861, 0.2840, 0.3213

Triad

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



46.0861, 0.2923, 0.3358



46.0861, 0.3030, 0.3036



46.0861, 0.3431, 0.3478

Complementary

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



46.0861, 0.2923, 0.3358



37.2815, 0.3378, 0.3223

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.



46.0861, 0.3423, 0.3355



46.0861, 0.2923, 0.3358



46.0861, 0.3189, 0.3105

Square

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



46.0861, 0.2923, 0.3358



46.0861, 0.2901, 0.3031



46.0861, 0.3333, 0.3220



46.0861, 0.3355, 0.3554

Rectangle

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



46.0861, 0.2923, 0.3358



46.0861, 0.2826, 0.3129



46.0861, 0.3333, 0.3220



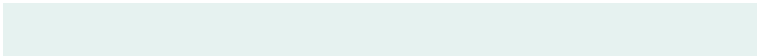
46.0861, 0.3438, 0.3440

Sweetspot

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



46.0880, 0.2923, 0.3358



86.8041, 0.3061, 0.3310



45.6577, 0.3149, 0.3710



19.0510, 0.3052, 0.3313



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.



46.0880, 0.2923, 0.3358



81.3930, 0.2884, 0.3373



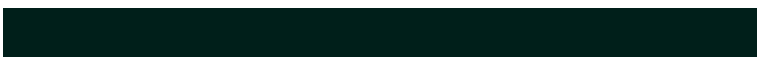
42.1984, 0.2882, 0.3151



10.7815, 0.3006, 0.3328



26.1475, 0.2394, 0.3819



1.0316, 0.2355, 0.3678

Inverse Universe

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



37.2815, 0.3378, 0.3223



62.8561, 0.3440, 0.3209



40.6334, 0.3405, 0.3425



9.5616, 0.3263, 0.3252



7.3553, 0.6134, 0.3153



0.2963, 0.5532, 0.2821

Previews

White Background



This preview shows how the Yxy color 46.0861, 0.2923, 0.3358 looks on a white background.

Color Contrast Check

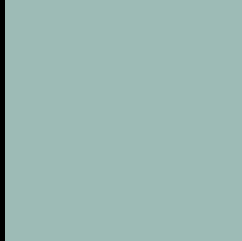
Large Text (above 18pt) WCAG AA × Fail

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 46.0861, 0.2923, 0.3358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

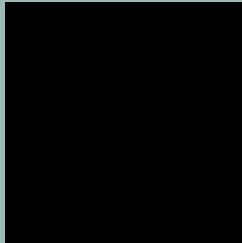
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

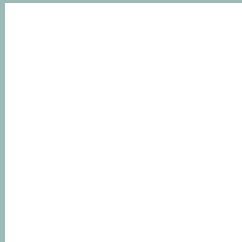
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0861, 0.2923, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 46.0861, 0.2923, 0.3358.

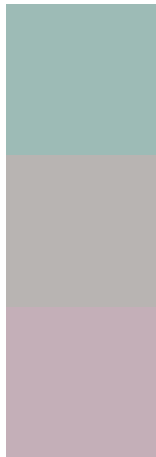


This preview shows how white text looks on a background with the Yxy color 46.0861, 0.2923, 0.3358.

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

46.0861, 0.2923, 0.3358

Protanopia

46.0472, 0.3178, 0.3316

Deuteranopia

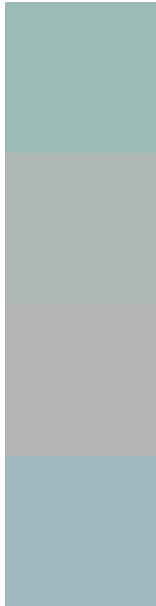
45.8564, 0.3239, 0.3177



Tritanopia

45.8781, 0.2825, 0.3089

Trichromacy



Original Color

46.0861, 0.2923, 0.3358

Protanomaly

46.1203, 0.3083, 0.3343

Deuteranomaly

45.6042, 0.3121, 0.3238

Tritanomaly

45.9191, 0.2860, 0.3181

Monochromacy



Original Color

46.0861, 0.2923, 0.3358

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8485, 0.3050, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0861, 0.2923, 0.3358 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(157, 187, 182)` looks like.

```
.text, #text, p{  
    color:rgb(157, 187, 182)  
}
```

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(157, 187, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 187, 182) }
```

Border

The CSS property to change the border of an element to Yxy 46.0861, 0.2923, 0.3358 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(157, 187, 182) }
```

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

```
.border{ border-color:rgb(157, 187, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 187, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 187, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 187, 182);  
box-shadow:4px 4px 4px 4px rgb(157, 187,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0861, 0.2923, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 187, 182) }
```

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

```
.background{ background-color: rgb(157,  
187, 182) }
```

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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