

Converting Colors

$Y_{xy}(41.4850, 0.2870, 0.3496)$

Have a look what the booklet for
Yxy(41.4850, 0.2870, 0.3496)
contains.

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Color

Yxy(41.6014, 0.2867, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	89B6A8
RGB	137, 182, 168
RGB Percent	54%, 71%, 66%
CMY	0.4626, 0.2863, 0.3412
CMYK	0.25, 0.00, 0.08, 0.29
HSL	161°, 24%, 63%
HSV	161°, 25%, 71%
XYZ	34.1165, 41.6014, 43.2793
YIQ	166.9490, -22.3260, -13.8940

Conversions

Conversions Part 2

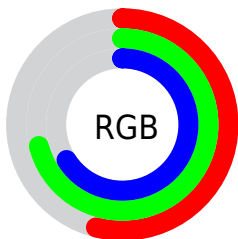
Format	Color
RYB	137, 164, 182
Decimal	9025192
CIELab	70.60, -17.91, 2.25
CIElCh	71, 18.055, 172.840
Yxy	41.6014, 0.2867, 0.3496
Android (android.graphics.Color)	4287215272 (0xFF89B6A8)
YUV	166.9490, 0.5181, -26.2653
Hunter-Lab	64.4991, -18.4569, 5.3655

Details

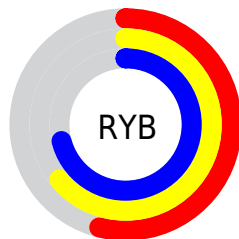
The Yxy color $41.6014, 0.2867, 0.3496$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $30.0807, 0.3480, 0.3094$, and the grayscale version is $38.6269, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.5532, 0.2915, 0.3458$, and $18.9399, 0.2791, 0.3562$ is the 20% darker color. If you saturate the color by 10%, you get $39.9856, 0.2773, 0.3593$, and if you desaturate by 10%, it is $43.4893, 0.2969, 0.3407$.

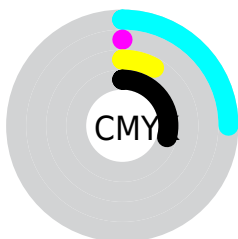
Distribution



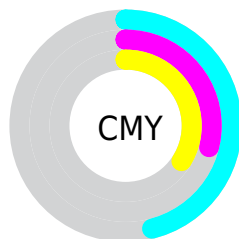
- Red (54%)
- Green (71%)
- Blue (66%)



- Red (54%)
- Yellow (64%)
- Blue (71%)



- Cyan (25%)
- Magenta (0%)
- Yellow (8%)
- Black (29%)




- Cyan (46%)
- Magenta (29%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6014, 0.2867, 0.3496 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 41.6014, 0.2867, 0.3496 by changing the saturation by 10% instead.


 41.6014, 0.2867,
0.3496

 41.6014, 0.2867,
0.3496


352.8279, 0.3000,
0.3390


 28.7893, 0.2833,
0.3523


 77.5960, 0.2916,
0.3457

 18.9215, 0.2788,
0.3559


 101.5473, 0.2934,
0.3442

 11.6136, 0.2728,
0.3608


 129.9805, 0.2950,
0.3430

 6.4811, 0.2642,
0.3679

163.2799, 0.2963,
0.3420

 3.1398, 0.2509,
0.3790

201.8299, 0.2974,
0.3411

 1.2051, 0.2250,
0.4002

246.0150, 0.2984,

 0.0659, 0.0000,

0.3403

1.0000

296.2196, 0.2992,
0.3396

0.0000, 0.0000,
0.0000

41.6014, 0.2867,
0.3496

41.6014, 0.2867,
0.3496

39.9856, 0.2773,
0.3593

43.4893, 0.2969,
0.3407

38.6235, 0.2691,
0.3697

45.6564, 0.3076,
0.3325

37.5028, 0.2623,
0.3808

48.1157, 0.3186,
0.3252

36.6076, 0.2571,
0.3922

50.8782, 0.3296,
0.3187

35.9205, 0.2538,
0.4040

53.9540, 0.3406,
0.3129

■ 35.4210, 0.2524,
0.4158

■ 57.3529, 0.3514,
0.3078

■ 35.0848, 0.2530,
0.4275

■ 59.2514, 0.3540,
0.3026

■ 34.9445, 0.2538,
0.4336

■ 59.5346, 0.3492,
0.2969

■ 59.8278, 0.3445,
0.2913

Harmonies

Analogous

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



41.6014, 0.3115, 0.3687



41.6014, 0.2867, 0.3496



41.6014, 0.2693, 0.3248

Triad

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



41.6014, 0.2867, 0.3496



41.6014, 0.2872, 0.2857



41.6014, 0.3649, 0.3522

Complementary

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



41.6014, 0.2867, 0.3496



30.0807, 0.3480, 0.3094

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.



41.6014, 0.3580, 0.3305



41.6014, 0.2867, 0.3496



41.6014, 0.3122, 0.2933

Square

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



41.6014, 0.2867, 0.3496



41.6014, 0.2695, 0.2888



41.6014, 0.3384, 0.3093



41.6014, 0.3571, 0.3690

Rectangle

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



41.6014, 0.2867, 0.3496



41.6014, 0.2638, 0.3093



41.6014, 0.3384, 0.3093



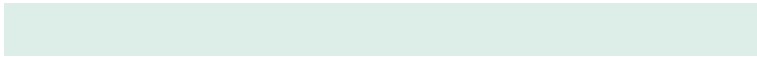
41.6014, 0.3643, 0.3452

Sweetspot

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



41.6031, 0.2867, 0.3496



81.7821, 0.3049, 0.3344



41.8670, 0.3216, 0.3954



18.0099, 0.3043, 0.3349



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.6031, 0.2867, 0.3496



73.6697, 0.2812, 0.3551



38.8754, 0.2759, 0.3168



10.1618, 0.3026, 0.3362



24.6908, 0.2534, 0.4323



0.8810, 0.2451, 0.4023

Inverse Universe

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



30.0807, 0.3480, 0.3094



48.9417, 0.3591, 0.3045



32.0873, 0.3609, 0.3408



9.0570, 0.3240, 0.3219



7.2399, 0.5690, 0.2908



0.2667, 0.4940, 0.2495

Previews

White Background



This preview shows how the Yxy color 41.6014, 0.2867, 0.3496 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 41.6014, 0.2867, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

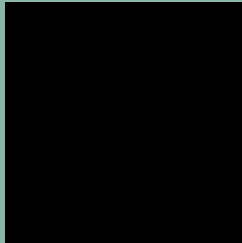
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6014, 0.2867, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 41.6014, 0.2867, 0.3496.



This preview shows how white text looks on a background with the Yxy color 41.6014, 0.2867, 0.3496.

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

41.6014, 0.2867, 0.3496

Protanopia

41.1994, 0.3268, 0.3413

Deuteranopia

41.3965, 0.3297, 0.3238



Tritanopia

41.4418, 0.2725, 0.3078

Trichromacy



Original Color

41.6014, 0.2867, 0.3496

Protanomaly

41.1268, 0.3111, 0.3445

Deuteranomaly

40.9534, 0.3126, 0.3318

Tritanomaly

41.2763, 0.2774, 0.3217

Monochromacy



Original Color

41.6014, 0.2867, 0.3496

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.3630, 0.3027, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6014, 0.2867, 0.3496 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(137, 182, 168)` looks like.

```
.text, #text, p{  
    color:rgb(137, 182, 168)  
}
```

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(137, 182, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 182, 168) }
```

Border

The CSS property to change the border of an element to Yxy 41.6014, 0.2867, 0.3496 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(137, 182, 168) }
```

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

```
.border{ border-color:rgb(137, 182, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 182, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 182, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 182, 168);  
box-shadow:4px 4px 4px 4px rgb(137, 182,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6014, 0.2867, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 182, 168) }
```

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

```
.background{ background-color: rgb(137,  
182, 168) }
```

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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