

Converting Colors

$Yxy(60.4397, 0.2803, 0.3453)$

Have a look what the booklet for
Yxy(60.4397, 0.2803, 0.3453)
contains.

Yxy(60.4915, 0.2801, 0.3454)	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(60.4915, 0.2801, 0.3454)

Conversions

Conversions Part 1

Format	Color
Hex	9CD8CB
RGB	156, 216, 203
RGB Percent	61%, 85%, 80%
CMY	0.3880, 0.1530, 0.2039
CMYK	0.28, 0.00, 0.06, 0.15
HSL	167°, 43%, 73%
HSV	167°, 28%, 85%
XYZ	49.0552, 60.4915, 65.5879
YIQ	196.5780, -31.5870, -16.7630

Conversions

Conversions Part 2

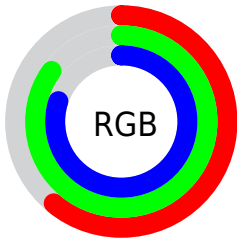
Format	Color
RYB	156, 190, 216
Decimal	10279115
CIELab	82.10, -21.80, 0.24
CIELCh	82, 21.797, 179.376
Yxy	60.4915, 0.2801, 0.3454
Android (android.graphics.Color)	4288469195 (0xFF9CD8CB)
YUV	196.5780, 3.1660, -35.5869
Hunter-Lab	77.7763, -23.5246, 4.4448

Details

The Yxy color **60.4915, 0.2801, 0.3454** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.2655, 0.3598, 0.3134**, and the grayscale version is **55.5715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **30.5432, 0.2719, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **58.3062, 0.2700, 0.3523**, and if you desaturate by 10%, it is **63.0717, 0.2912, 0.3390**.

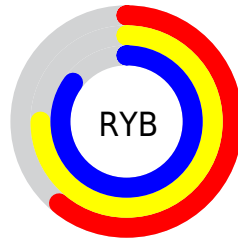
Distribution



Red (61%)

Green (85%)

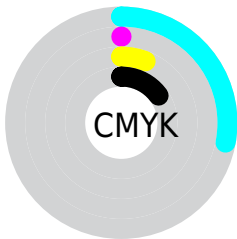
Blue (80%)



Red (61%)

Yellow (75%)

Blue (85%)

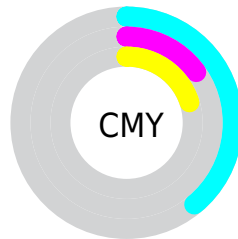


Cyan (28%)

Magenta (0%)

Yellow (6%)

Black (15%)



Cyan (39%)


Magenta (15%)


Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4915, 0.2801, 0.3454 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 60.4915, 0.2801, 0.3454 by changing the saturation by 10% instead.


 60.4915, 0.2801,
0.3454


 60.4915, 0.2801,
0.3454

426.4071, 0.2957,
0.3376

 43.8149, 0.2764,
0.3473

 105.5423, 0.2856,
0.3426

 30.5250, 0.2718,
0.3496


 134.6854, 0.2877,
0.3416

 20.2374, 0.2659,
0.3526


168.7527, 0.2895,
0.3407

 12.5678, 0.2579,
0.3566

208.1286, 0.2911,
0.3399

 7.1316, 0.2467,
0.3622

253.1977, 0.2924,
0.3392

 3.5445, 0.2299,
0.3708

304.3441, 0.2936,

 1.4222, 0.2010,

0.3386

361.9525, 0.2947,
0.3381

0.3855

0.2330, 0.0000,
0.4956

0.0000, 0.0000,
0.0000

60.4915, 0.2801,
0.3454

60.4915, 0.2801,
0.3454

58.3062, 0.2700,
0.3523

63.0717, 0.2912,
0.3390

56.4880, 0.2613,
0.3596


66.0582, 0.3032,
0.3332


55.0171, 0.2541,
0.3672

69.4711, 0.3155,
0.3279

53.8690, 0.2488,
0.3751


73.3270, 0.3282,
0.3231


 53.0156, 0.2455,
0.3831


 75.8811, 0.3341,
0.3186

 52.4242, 0.2441,
0.3911


 76.1424, 0.3308,
0.3140

 52.0490, 0.2445,
0.3990

 76.4108, 0.3276,
0.3094

 51.9776, 0.2447,
0.4008

 76.6864, 0.3243,
0.3048

 76.9691, 0.3211,
0.3003

Harmonies

Analogous

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



60.4915, 0.3052, 0.3680



60.4915, 0.2801, 0.3454



60.4915, 0.2640, 0.3188

Triad

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



60.4915, 0.2801, 0.3454



60.4915, 0.2908, 0.2839



60.4915, 0.3679, 0.3581

Complementary

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



60.4915, 0.2801, 0.3454



41.2655, 0.3598, 0.3134

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.



60.4915, 0.3639, 0.3356



60.4915, 0.2801, 0.3454



60.4915, 0.3184, 0.2941

Square

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



60.4915, 0.2801, 0.3454



60.4915, 0.2699, 0.2845



60.4915, 0.3455, 0.3126



60.4915, 0.3563, 0.3743

Rectangle

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



60.4915, 0.2801, 0.3454



60.4915, 0.2601, 0.3032



60.4915, 0.3455, 0.3126



60.4915, 0.3683, 0.3510

Sweetspot

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



60.4940, 0.2801, 0.3454



96.0525, 0.3027, 0.3333



60.0619, 0.3190, 0.4064



20.4100, 0.3009, 0.3342



0.0000, 0.0000, 0.0000



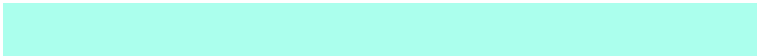
21.4041, 0.3127, 0.3290

Same Dimension

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



60.4940, 0.2801, 0.3454



86.2610, 0.2743, 0.3492



53.3468, 0.2705, 0.3085



14.0596, 0.3011, 0.3341



30.7849, 0.2443, 0.3996



1.8685, 0.2405, 0.3859

Inverse Universe

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



41.2655, 0.3598, 0.3134



54.0076, 0.3730, 0.3101



46.5244, 0.3677, 0.3485



12.4645, 0.3257, 0.3240



8.7750, 0.6016, 0.3088



0.5418, 0.5526, 0.2818

Previews

White Background



This preview shows how the Yxy color 60.4915, 0.2801, 0.3454 looks on a white background.

Color Contrast Check

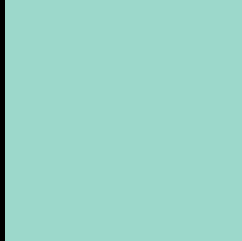
Large Text (above 18pt) WCAG AA × Fail

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 60.4915, 0.2801, 0.3454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

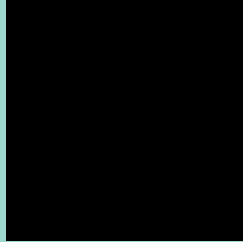
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

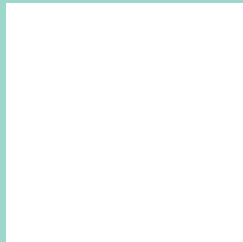
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.4915, 0.2801, 0.3454

Background



This preview shows how black text looks on a background with the Yxy color 60.4915, 0.2801, 0.3454.



This preview shows how white text looks on a background with the Yxy color 60.4915, 0.2801, 0.3454.

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

60.4915, 0.2801, 0.3454

Protanopia

60.2073, 0.3232, 0.3384

Deuteranopia

59.8097, 0.3243, 0.3178



Tritanopia

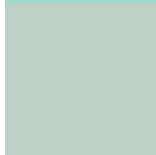
60.4255, 0.2683, 0.3082

Trichromacy



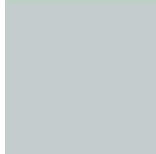
Original Color

60.4915, 0.2801, 0.3454



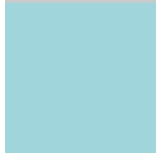
Protanomaly

60.1361, 0.3062, 0.3411



Deuteranomaly

59.5123, 0.3060, 0.3266



Tritanomaly

60.2294, 0.2723, 0.3202

Monochromacy



Original Color

60.4915, 0.2801, 0.3454



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

57.2543, 0.2997, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4915, 0.2801, 0.3454 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(156, 216, 203)` looks like.

```
.text, #text, p{  
    color:rgb(156, 216, 203)  
}
```

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(156, 216, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 216, 203) }
```

Border

The CSS property to change the border of an element to Yxy 60.4915, 0.2801, 0.3454 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(156, 216, 203) }
```

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

```
.border{ border-color:rgb(156, 216, 203) }
```

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

Here you see how a box with a 4 pixel rgb(156, 216, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 216, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 216, 203);  
box-shadow:4px 4px 4px 4px rgb(156, 216,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4915, 0.2801, 0.3454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 216, 203) }
```

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

```
.background{ background-color: rgb(156,  
216, 203) }
```

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