

Converting Colors

$Yxy(48.6534, 0.2815, 0.3236)$

Have a look what the booklet for
Yxy(48.6534, 0.2815, 0.3236)
contains.

Yxy(48.6534, 0.2815, 0.3236)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6534, 0.2815, 0.3236)

Conversions

Conversions Part 1

Format	Color
Hex	9BC0C4
RGB	155, 192, 196
RGB Percent	61%, 75%, 77%
CMY	0.3923, 0.2470, 0.2314
CMYK	0.21, 0.02, 0.00, 0.23
HSL	186°, 26%, 69%
HSV	186°, 21%, 77%
XYZ	42.3236, 48.6534, 59.3734
YIQ	181.3930, -23.3360, -6.6000

Conversions

Conversions Part 2

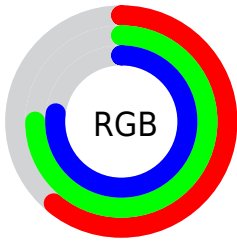
Format	Color
RYB	155, 174, 196
Decimal	10207428
CIELab	75.24, -11.44, -6.09
CIELCh	75, 12.963, 208.040
Yxy	48.6534, 0.2815, 0.3236
Android (android.graphics.Color)	4288397508 (0xFF9BC0C4)
YUV	181.3930, 7.2013, -23.1467
Hunter-Lab	69.7520, -13.7569, -1.6417

Details

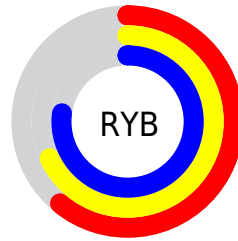
The Yxy color **48.6534, 0.2815, 0.3236** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.8708, 0.3532, 0.3343**, and the grayscale version is **46.3988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9283, 0.2867, 0.3237**, and **23.0135, 0.2733, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **46.0446, 0.2678, 0.3207**, and if you desaturate by 10%, it is **51.5916, 0.2961, 0.3263**.

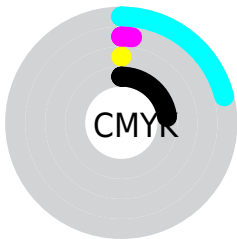
Distribution



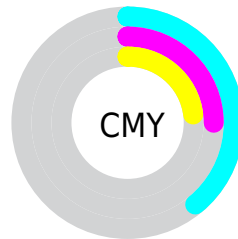
- Red (61%)
- Green (75%)
- Blue (77%)



- Red (61%)
- Yellow (68%)
- Blue (77%)



- Cyan (21%)
- Magenta (2%)
- Yellow (0%)
- Black (23%)




- Cyan (39%)
- Magenta (25%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6534, 0.2815, 0.3236 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 48.6534, 0.2815, 0.3236 by changing the saturation by 10% instead.


 48.6534, 0.2815,
0.3236


 48.6534, 0.2815,
0.3236


381.3762, 0.2969,
0.3265

 34.3446, 0.2777,
0.3228


 88.1765, 0.2870,
0.3247

 23.1585, 0.2730,
0.3218


 114.1595, 0.2891,
0.3251

 14.7106, 0.2667,
0.3205


144.8028, 0.2909,
0.3254

 8.6165, 0.2580,
0.3184

180.4907, 0.2924,
0.3257

 4.4919, 0.2454,
0.3153

221.6076, 0.2937,
0.3259

 1.9524, 0.2254,
0.3096

268.5379, 0.2949,

 0.5796, 0.1421,

0.3261

0.3032

321.6660, 0.2959,
0.3263

0.0000, 0.0000,
0.0000

48.6534, 0.2815,
0.3236

48.6534, 0.2815,
0.3236

46.0446, 0.2678,
0.3207

51.5916, 0.2961,
0.3263

43.7440, 0.2553,
0.3176

54.8674, 0.3113,
0.3288

41.7371, 0.2443,
0.3145

58.4960, 0.3268,
0.3310

40.0059, 0.2350,
0.3112

62.4901, 0.3424,
0.3331

38.5304, 0.2276,
0.3078

66.8617, 0.3579,
0.3349

■ 37.2875, 0.2220,
0.3045

■ 68.1398, 0.3591,
0.3368

■ 36.2500, 0.2183,
0.3012

■ 69.0428, 0.3586,
0.3387

■ 35.4400, 0.2162,
0.2982

■ 69.9567, 0.3582,
0.3407

■ 70.8818, 0.3578,
0.3426

Harmonies

Analogous

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



48.6534, 0.2925, 0.3402



48.6534, 0.2815, 0.3236



48.6534, 0.2787, 0.3091

Triad

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



48.6534, 0.2815, 0.3236



48.6534, 0.3157, 0.3058



48.6534, 0.3412, 0.3578

Complementary

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



48.6534, 0.2815, 0.3236



38.8708, 0.3532, 0.3343

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.



48.6534, 0.3479, 0.3476



48.6534, 0.2815, 0.3236



48.6534, 0.3330, 0.3179

Square

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



48.6534, 0.2815, 0.3236



48.6534, 0.2981, 0.2994



48.6534, 0.3449, 0.3330



48.6534, 0.3268, 0.3604

Rectangle

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



48.6534, 0.2815, 0.3236



48.6534, 0.2817, 0.3026



48.6534, 0.3449, 0.3330



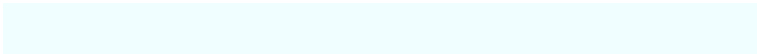
48.6534, 0.3445, 0.3551

Sweetspot

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



48.6554, 0.2815, 0.3236



96.2723, 0.3034, 0.3275



48.9184, 0.3076, 0.3814



20.5224, 0.3024, 0.3274



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.



48.6554, 0.2815, 0.3236



85.9779, 0.2753, 0.3223



40.4752, 0.2797, 0.2960



11.2565, 0.2984, 0.3267



22.8462, 0.2163, 0.2987



1.0364, 0.2183, 0.3060

Inverse Universe

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



38.9700, 0.3187, 0.2823



65.4600, 0.3201, 0.2722



46.2950, 0.3480, 0.3599



10.2302, 0.3152, 0.3085



9.5886, 0.3466, 0.1683



0.4193, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 48.6534, 0.2815, 0.3236 looks on a white background.

Color Contrast Check

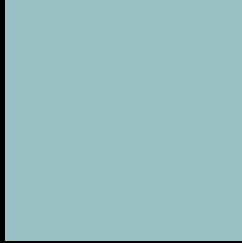
Large Text (above 18pt) WCAG AA × Fail

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 48.6534, 0.2815, 0.3236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

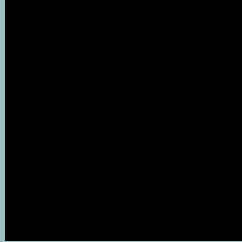
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

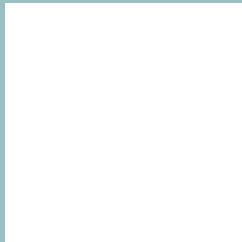
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6534, 0.2815, 0.3236

Background



This preview shows how black text looks on a background with the Yxy color 48.6534, 0.2815, 0.3236.

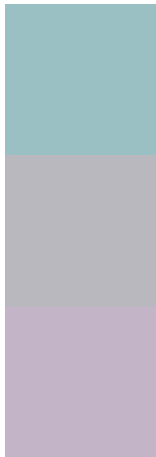


This preview shows how white text looks on a background with the Yxy color 48.6534, 0.2815, 0.3236.

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

48.6534, 0.2815, 0.3236

Protanopia

48.4817, 0.3090, 0.3201

Deuteranopia

48.5018, 0.3113, 0.3056



Tritanopia

48.4512, 0.2762, 0.3079

Trichromacy



Original Color

48.6534, 0.2815, 0.3236

Protanomaly

48.5049, 0.2985, 0.3212

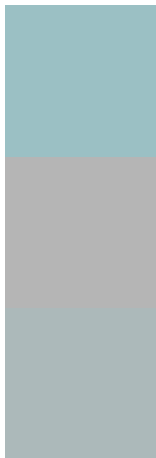
Deuteranomaly

48.1820, 0.2996, 0.3111

Tritanomaly

48.5938, 0.2782, 0.3143

Monochromacy



Original Color

48.6534, 0.2815, 0.3236

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.0138, 0.3012, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6534, 0.2815, 0.3236 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(155, 192, 196)` looks like.

```
.text, #text, p{  
    color:rgb(155, 192, 196)  
}
```

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(155, 192, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 192, 196) }
```

Border

The CSS property to change the border of an element to Yxy 48.6534, 0.2815, 0.3236 is called "border". The border property can be set on classes, ids or directly on the HTML element.

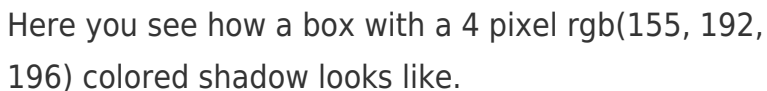
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(155, 192, 196) }
```

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

```
.border{ border-color:rgb(155, 192, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(155, 192, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(155, 192, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(155, 192, 196); box-shadow:4px 4px 4px 4px rgb(155, 192, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6534, 0.2815, 0.3236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 192, 196) }
```

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

```
.background{ background-color: rgb(155,  
192, 196) }
```

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