

Converting Colors

$Yxy(65.0647, 0.2939, 0.3618)$

Have a look what the booklet for
Yxy(65.0647, 0.2939, 0.3618)
contains.

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Color

Yxy(64.7741, 0.2936, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	AADEC4
RGB	170, 222, 196
RGB Percent	67%, 87%, 77%
CMY	0.3332, 0.1294, 0.2314
CMYK	0.23, 0.00, 0.12, 0.13
HSL	150°, 44%, 77%
HSV	150°, 23%, 87%
XYZ	52.6660, 64.7741, 61.9399
YIQ	203.4880, -22.6460, -19.1100

Conversions

Conversions Part 2

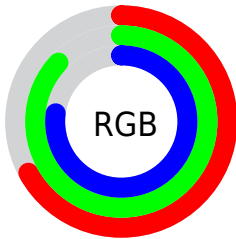
Format	Color
RYB	170, 205, 222
Decimal	11198148
CIELab	84.37, -21.94, 7.33
CIELCh	84, 23.132, 161.526
Yxy	64.7741, 0.2936, 0.3611
Android (android.graphics.Color)	4289388228 (0xFFAADEC4)
YUV	203.4880, -3.6916, -29.3690
Hunter-Lab	80.4824, -24.0375, 10.7076

Details

The Yxy color **64.7741, 0.2936, 0.3611** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **48.2793, 0.3374, 0.2990**, and the grayscale version is **60.0826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7806, 0.2963, 0.3310**, and **33.3723, 0.2891, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **62.0199, 0.2862, 0.3773**, and if you desaturate by 10%, it is **67.9890, 0.3016, 0.3464**.

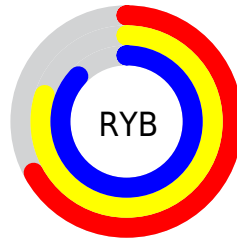
Distribution



Red (67%)

Green (87%)

Blue (77%)



Red (67%)

Yellow (80%)

Blue (87%)

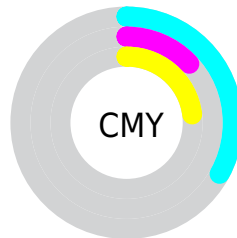


Cyan (23%)

Magenta (0%)

Yellow (12%)

Black (13%)



Cyan (33%)


Magenta (13%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.7741, 0.2936, 0.3611 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 64.7741, 0.2936, 0.3611 by changing the saturation by 10% instead.


 64.7741, 0.2936,
0.3611

 64.7741, 0.2936,
0.3611


441.9797, 0.3028,
0.3456

 47.2779, 0.2914,
0.3648


 111.7250, 0.2969,
0.3556

 33.2554, 0.2886,
0.3695


141.9486, 0.2981,
0.3535

 22.3222, 0.2850,
0.3757


177.1833, 0.2992,
0.3517

 14.0938, 0.2802,
0.3840

217.8138, 0.3001,
0.3501

 8.1860, 0.2733,
0.3959

264.2242, 0.3009,
0.3488

 4.2142, 0.2628,
0.4142

316.7991, 0.3016,

 1.7941, 0.2446,

0.3476

0.4463

375.9228, 0.3022,
0.3465

0.4835, 0.0000,
0.9719

0.0000, 0.0000,
0.0000

64.7741, 0.2936,
0.3611

64.7741, 0.2936,
0.3611

62.0199, 0.2862,
0.3773

67.9890, 0.3016,
0.3464

59.6965, 0.2797,
0.3948


71.6768, 0.3099,
0.3332

57.7830, 0.2744,
0.4135

75.8591, 0.3182,
0.3214

56.2534, 0.2706,
0.4330


79.8198, 0.3238,
0.3108


 55.0787, 0.2687,
0.4528

 80.5024, 0.3165,
0.3002

 54.2254, 0.2688,
0.4724

 80.7223, 0.3142,
0.2970

 53.6531, 0.2709,
0.4912

 53.3868, 0.2730,
0.5030

Harmonies

Analogous

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



64.7741, 0.3223, 0.3779



64.7741, 0.2936, 0.3611



64.7741, 0.2707, 0.3348

Triad

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



64.7741, 0.2936, 0.3611



64.7741, 0.2759, 0.2812



64.7741, 0.3695, 0.3456

Complementary

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



64.7741, 0.2936, 0.3611



48.2793, 0.3374, 0.2990

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.



64.7741, 0.3560, 0.3214



64.7741, 0.2936, 0.3611



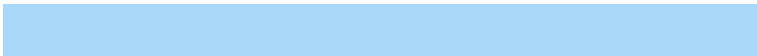
64.7741, 0.3011, 0.2853

Square

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



64.7741, 0.2936, 0.3611



64.7741, 0.2609, 0.2890



64.7741, 0.3305, 0.2998



64.7741, 0.3669, 0.3670

Rectangle

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



64.7741, 0.2936, 0.3611



64.7741, 0.2615, 0.3165



64.7741, 0.3305, 0.2998



64.7741, 0.3667, 0.3375

Sweetspot

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



64.7768, 0.2936, 0.3611



96.2081, 0.3068, 0.3378



67.0003, 0.3289, 0.3909



20.5259, 0.3063, 0.3386



0.0000, 0.0000, 0.0000



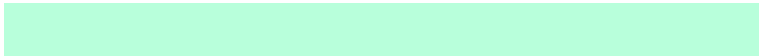
21.4041, 0.3127, 0.3290

Same Dimension

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



64.7768, 0.2936, 0.3611



86.7888, 0.2900, 0.3687



66.0196, 0.2787, 0.3299



15.4508, 0.3048, 0.3410



31.7333, 0.2723, 0.5004



2.2177, 0.2645, 0.4721

Inverse Universe

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



48.2793, 0.3374, 0.2990



60.5078, 0.3439, 0.2926



47.2280, 0.3602, 0.3281



13.8144, 0.3214, 0.3173



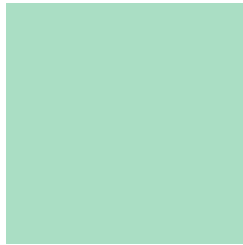
9.9304, 0.4949, 0.2500



0.7064, 0.4609, 0.2313

Previews

White Background



This preview shows how the Yxy color 64.7741, 0.2936, 0.3611 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 64.7741, 0.2936, 0.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

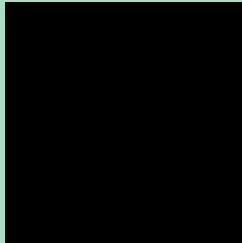
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

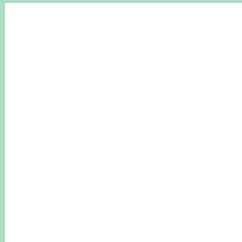
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.7741, 0.2936, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 64.7741, 0.2936, 0.3611.

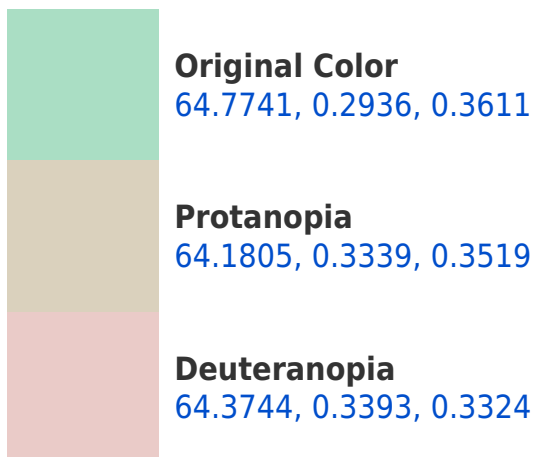


This preview shows how white text looks on a background with the Yxy color 64.7741, 0.2936, 0.3611.

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





Tritanopia

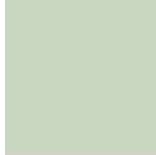
64.9133, 0.2752, 0.3091

Trichromacy



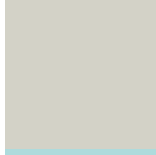
Original Color

64.7741, 0.2936, 0.3611



Protanomaly

64.3164, 0.3181, 0.3549



Deuteranomaly

64.0656, 0.3212, 0.3417



Tritanomaly

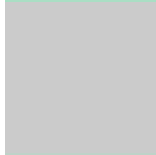
64.8290, 0.2816, 0.3277

Monochromacy



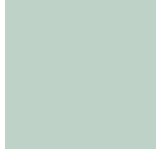
Original Color

64.7741, 0.2936, 0.3611



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

61.3397, 0.3055, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.7741, 0.2936, 0.3611 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(170, 222, 196)` looks like.

```
.text, #text, p{  
    color:rgb(170, 222, 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(170, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 222, 196) }
```

Border

The CSS property to change the border of an element to Yxy 64.7741, 0.2936, 0.3611 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(170, 222, 196) }
```

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

```
.border{ border-color:rgb(170, 222, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 222, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(170, 222,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 64.7741, 0.2936, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 222, 196) }
```

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

```
.background{ background-color: rgb(170,  
222, 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](#).

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