

Converting Colors

$Yxy(63.8607, 0.2980, 0.3712)$

Have a look what the booklet for
Yxy(63.8607, 0.2980, 0.3712)
contains.

Yxy(63.7358, 0.2984, 0.3715)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.7358, 0.2984, 0.3715)

Conversions

Conversions Part 1

Format	Color
Hex	A9DDBB
RGB	169, 221, 187
RGB Percent	66%, 87%, 73%
CMY	0.3372, 0.1333, 0.2666
CMYK	0.24, 0.00, 0.15, 0.13
HSL	141°, 43%, 76%
HSV	141°, 24%, 87%
XYZ	51.1945, 63.7358, 56.6331
YIQ	201.5760, -20.0780, -21.5980

Conversions

Conversions Part 2

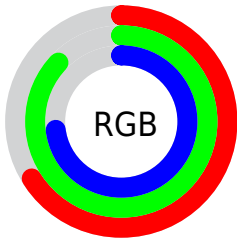
Format	Color
RYB	169, 208, 221
Decimal	11132347
CIELab	83.83, -23.48, 11.28
CIELCh	84, 26.044, 154.347
Yxy	63.7358, 0.2984, 0.3715
Android (android.graphics.Color)	4289322427 (0xFFA9DDBB)
YUV	201.5760, -7.1860, -28.5692
Hunter-Lab	79.8347, -25.2465, 13.8252

Details

The Yxy color **63.7358, 0.2984, 0.3715** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.0688, 0.3306, 0.2900**, and the grayscale version is **58.8452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9986, 0.3012, 0.3411**, and **32.7067, 0.2944, 0.3830** is the 20% darker color. If you saturate the color by 10%, you get **60.9088, 0.2928, 0.3930**, and if you desaturate by 10%, it is **67.0435, 0.3044, 0.3520**.

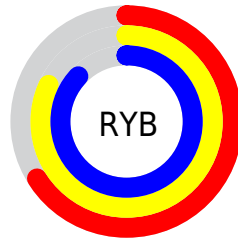
Distribution



Red (66%)

Green (87%)

Blue (73%)



Red (66%)

Yellow (82%)

Blue (87%)

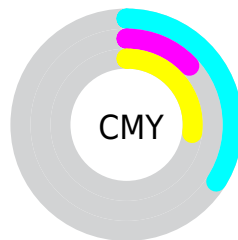


Cyan (24%)

Magenta (0%)

Yellow (15%)

Black (13%)



Cyan (34%)


Magenta (13%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.7358, 0.2984, 0.3715 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 63.7358, 0.2984, 0.3715 by changing the saturation by 10% instead.


 63.7358, 0.2984,
0.3715

 63.7358, 0.2984,
0.3715


438.2349, 0.3055,
0.3507

 46.4367, 0.2967,
0.3765


 110.2304, 0.3010,
0.3641

 32.5906, 0.2944,
0.3829


140.1946, 0.3019,
0.3612

 21.8130, 0.2915,
0.3913


175.1494, 0.3027,
0.3588

 13.7196, 0.2875,
0.4027

215.4791, 0.3034,
0.3568

 7.9259, 0.2815,
0.4192

261.5681, 0.3041,
0.3550

 4.0476, 0.2721,
0.4450

313.8008, 0.3046,

 1.7002, 0.2550,

0.3534

0.4912

372.5616, 0.3051,
0.3520

0.4238, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.7358, 0.2984,
0.3715

63.7358, 0.2984,
0.3715

60.9088, 0.2928,
0.3930

67.0435, 0.3044,
0.3520

58.5319, 0.2879,
0.4164

70.8450, 0.3105,
0.3346

56.5833, 0.2840,
0.4411

75.1626, 0.3167,
0.3193

55.0361, 0.2814,
0.4666

79.5522, 0.3210,
0.3056

■ 53.8603, 0.2805,
0.4918

■ 80.1915, 0.3143,
0.2960

■ 53.0214, 0.2813,
0.5158

■ 52.4781, 0.2838,
0.5374

■ 52.2410, 0.2861,
0.5498

Harmonies

Analogous

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



63.7358, 0.3312, 0.3867



63.7358, 0.2984, 0.3715



63.7358, 0.2705, 0.3430

Triad

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



63.7358, 0.2984, 0.3715



63.7358, 0.2659, 0.2760



63.7358, 0.3751, 0.3409

Complementary

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



63.7358, 0.2984, 0.3715



48.0688, 0.3306, 0.2900

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.



63.7358, 0.3558, 0.3140



63.7358, 0.2984, 0.3715



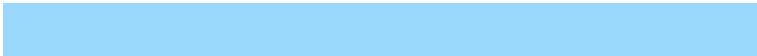
63.7358, 0.2919, 0.2777

Square

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



63.7358, 0.2984, 0.3715



63.7358, 0.2525, 0.2877



63.7358, 0.3248, 0.2914



63.7358, 0.3765, 0.3665

Rectangle

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



63.7358, 0.2984, 0.3715



63.7358, 0.2580, 0.3218



63.7358, 0.3248, 0.2914



63.7358, 0.3704, 0.3318

Sweetspot

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



63.7385, 0.2984, 0.3715



96.0416, 0.3084, 0.3406



67.3683, 0.3349, 0.3901



20.4873, 0.3080, 0.3416



0.0000, 0.0000, 0.0000



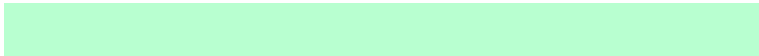
21.4041, 0.3127, 0.3290

Same Dimension

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



63.7385, 0.2984, 0.3715



86.2315, 0.2957, 0.3814



64.9198, 0.2831, 0.3394



14.6803, 0.3069, 0.3447



30.3677, 0.2853, 0.5470



1.9833, 0.2760, 0.5135

Inverse Universe

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



48.0688, 0.3306, 0.2900



61.1032, 0.3350, 0.2819



46.9591, 0.3532, 0.3189



13.1942, 0.3190, 0.3138



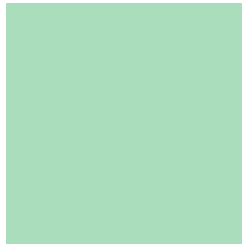
10.1297, 0.4319, 0.2153



0.6723, 0.4092, 0.2028

Previews

White Background



This preview shows how the Yxy color 63.7358, 0.2984, 0.3715 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 63.7358, 0.2984, 0.3715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

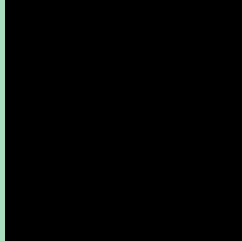
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

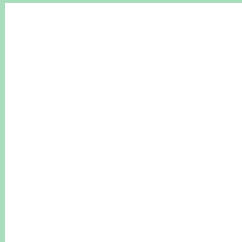
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.7358, 0.2984, 0.3715

Background



This preview shows how black text looks on a background with the Yxy color 63.7358, 0.2984, 0.3715.



This preview shows how white text looks on a background with the Yxy color 63.7358, 0.2984, 0.3715.

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

63.7358, 0.2984, 0.3715

Protanopia

63.4671, 0.3415, 0.3611

Deuteranopia

63.1970, 0.3474, 0.3401



Tritanopia

63.7742, 0.2761, 0.3090

Trichromacy



Original Color

63.7358, 0.2984, 0.3715

Protanomaly

63.4249, 0.3245, 0.3647

Deuteranomaly

62.6783, 0.3278, 0.3499

Tritanomaly

63.5822, 0.2838, 0.3301

Monochromacy



Original Color

63.7358, 0.2984, 0.3715

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.5793, 0.3068, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7358, 0.2984, 0.3715 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(169, 221, 187)` looks like.

```
.text, #text, p{  
    color:rgb(169, 221, 187)  
}
```

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(169, 221, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 221, 187) }
```

Border

The CSS property to change the border of an element to Yxy 63.7358, 0.2984, 0.3715 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(169, 221, 187) }
```

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

```
.border{ border-color:rgb(169, 221, 187) }
```

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

Here you see how a box with a 4 pixel rgb(169, 221, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 221, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 221, 187);  
box-shadow:4px 4px 4px 4px rgb(169, 221,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7358, 0.2984, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 221, 187) }
```

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

```
.background{ background-color: rgb(169,  
221, 187) }
```

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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