

Converting Colors

$Yxy(65.3420, 0.2969, 0.3608)$

Have a look what the booklet for
Yxy(65.3420, 0.2969, 0.3608)
contains.

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Color

Yxy(65.3420, 0.2969, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	AFDEC4
RGB	175, 222, 196
RGB Percent	69%, 87%, 77%
CMY	0.3136, 0.1294, 0.2314
CMYK	0.21, 0.00, 0.12, 0.13
HSL	147°, 42%, 78%
HSV	147°, 21%, 87%
XYZ	53.7695, 65.3420, 61.9916
YIQ	204.9830, -19.6660, -18.0500

Conversions

Conversions Part 2

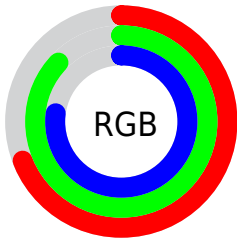
Format	Color
RYB	175, 207, 222
Decimal	11525828
CIELab	84.66, -20.35, 7.79
CIELCh	85, 21.791, 159.060
Yxy	65.3420, 0.2969, 0.3608
Android (android.graphics.Color)	4289715908 (0xFFAFDEC4)
YUV	204.9830, -4.4286, -26.2951
Hunter-Lab	80.8344, -22.7254, 11.1148

Details

The Yxy color **65.3420, 0.2969, 0.3608** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.4258, 0.3324, 0.2992**, and the grayscale version is **61.0826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6008, 0.2993, 0.3309**, and **33.7280, 0.2932, 0.3700** is the 20% darker color. If you saturate the color by 10%, you get **62.4455, 0.2900, 0.3785**, and if you desaturate by 10%, it is **68.7122, 0.3043, 0.3448**.

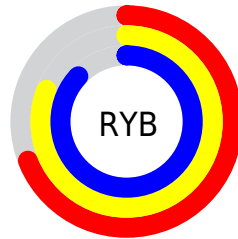
Distribution



Red (69%)

Green (87%)

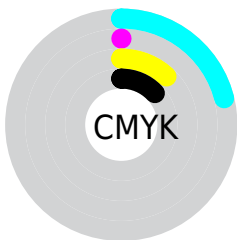
Blue (77%)



Red (69%)

Yellow (81%)

Blue (87%)

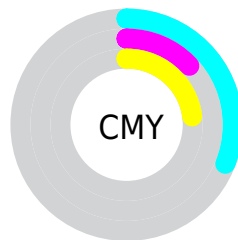


Cyan (21%)

Magenta (0%)

Yellow (12%)

Black (13%)



Cyan (31%)


Magenta (13%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.3420, 0.2969, 0.3608 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 65.3420, 0.2969, 0.3608 by changing the saturation by 10% instead.


 65.3420, 0.2969,
0.3608

 65.3420, 0.2969,
0.3608


444.0199, 0.3045,
0.3454

 47.7384, 0.2951,
0.3645

 112.5414, 0.2996,
0.3553

 33.6198, 0.2928,
0.3691


142.9060, 0.3007,
0.3532

 22.6017, 0.2898,
0.3752


178.2932, 0.3015,
0.3515

 14.2997, 0.2857,
0.3833

219.0872, 0.3023,
0.3499

 8.3294, 0.2800,
0.3950

265.6725, 0.3030,
0.3486

 4.3064, 0.2711,
0.4130

318.4334, 0.3036,

 1.8464, 0.2557,

0.3474

0.4443

377.7545, 0.3041,
0.3464

0.5159, 0.0000,
0.9678

0.0000, 0.0000,
0.0000

65.3420, 0.2969,
0.3608

65.3420, 0.2969,
0.3608

62.4455, 0.2900,
0.3785

68.7122, 0.3043,
0.3448

59.9928, 0.2838,
0.3977

72.5681, 0.3118,
0.3305

57.9632, 0.2787,
0.4183

76.9315, 0.3194,
0.3179

56.3309, 0.2750,
0.4398

80.1046, 0.3207,
0.3063

■ 55.0673, 0.2731,
0.4616

■ 80.7210, 0.3142,
0.2970

■ 54.1397, 0.2730,
0.4832

■ 53.5093, 0.2750,
0.5037

■ 53.1419, 0.2779,
0.5206

Harmonies

Analogous

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



65.3420, 0.3240, 0.3755



65.3420, 0.2969, 0.3608



65.3420, 0.2747, 0.3366

Triad

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



65.3420, 0.2969, 0.3608



65.3420, 0.2765, 0.2841



65.3420, 0.3655, 0.3429

Complementary

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



65.3420, 0.2969, 0.3608



50.4258, 0.3324, 0.2992

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.



65.3420, 0.3517, 0.3200



65.3420, 0.2969, 0.3608



65.3420, 0.2996, 0.2871

Square

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



65.3420, 0.2969, 0.3608



65.3420, 0.2633, 0.2925



65.3420, 0.3272, 0.3001



65.3420, 0.3644, 0.3634

Rectangle

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



65.3420, 0.2969, 0.3608



65.3420, 0.2653, 0.3194



65.3420, 0.3272, 0.3001



65.3420, 0.3625, 0.3353

Sweetspot

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



65.3447, 0.2969, 0.3608



96.6788, 0.3081, 0.3373



67.8457, 0.3292, 0.3842



20.6191, 0.3076, 0.3383



0.0000, 0.0000, 0.0000



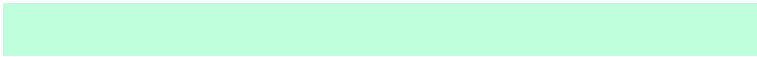
21.4041, 0.3127, 0.3290

Same Dimension

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



65.3447, 0.2969, 0.3608



87.7792, 0.2940, 0.3677



66.4675, 0.2831, 0.3326



15.4383, 0.3055, 0.3423



31.5878, 0.2772, 0.5179



2.2073, 0.2688, 0.4878

Inverse Universe

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



50.4258, 0.3324, 0.2992



64.1531, 0.3371, 0.2933



49.4274, 0.3524, 0.3255



13.8270, 0.3206, 0.3161



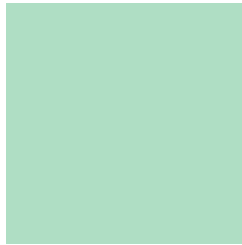
10.0964, 0.4724, 0.2376



0.7178, 0.4427, 0.2212

Previews

White Background



This preview shows how the Yxy color 65.3420, 0.2969, 0.3608 looks on a white background.

Color Contrast Check

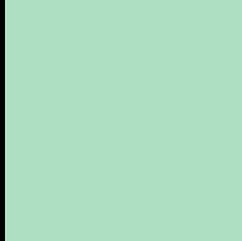
Large Text (above 18pt) WCAG AA × Fail

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 65.3420, 0.2969, 0.3608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

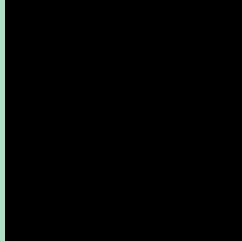
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

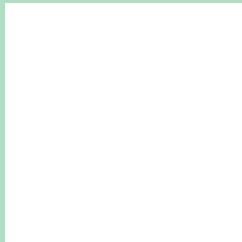
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3420, 0.2969, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 65.3420, 0.2969, 0.3608.

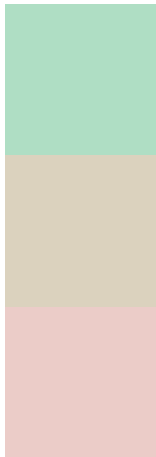


This preview shows how white text looks on a background with the Yxy color 65.3420, 0.2969, 0.3608.

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

65.3420, 0.2969, 0.3608

Protanopia

64.8710, 0.3338, 0.3518

Deuteranopia

65.0180, 0.3399, 0.3334



Tritanopia

65.5113, 0.2783, 0.3092

Trichromacy



Original Color

65.3420, 0.2969, 0.3608

Protanomaly

64.5954, 0.3196, 0.3548

Deuteranomaly

64.8582, 0.3226, 0.3427

Tritanomaly

65.4140, 0.2848, 0.3277

Monochromacy



Original Color

65.3420, 0.2969, 0.3608

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.3221, 0.3063, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3420, 0.2969, 0.3608 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(175, 222, 196)` looks like.

```
.text, #text, p{  
    color:rgb(175, 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(175, 222, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 222, 196) }
```

Border

The CSS property to change the border of an element to Yxy 65.3420, 0.2969, 0.3608 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(175, 222, 196) }
```

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

```
.border{ border-color:rgb(175, 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(175, 222, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 222, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 222, 196);  
box-shadow:4px 4px 4px 4px rgb(175, 222,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3420, 0.2969, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 222, 196) }
```

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

```
.background{ background-color: rgb(175,  
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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