

# Converting Colors

$Yxy(66.5078, 0.2971, 0.3667)$

Have a look what the booklet for  
Yxy(66.5078, 0.2971, 0.3667)  
contains.

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# Color

**Yxy(66.6297, 0.2968, 0.3669)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE1C2
RGB	173, 225, 194
RGB Percent	68%, 88%, 76%
CMY	0.3215, 0.1176, 0.2391
CMYK	0.23, 0.00, 0.14, 0.12
HSL	144°, 46%, 78%
HSV	144°, 23%, 88%
XYZ	53.8994, 66.6297, 61.0727
YIQ	205.9180, -21.0410, -20.6650

# Conversions

## Conversions Part 2

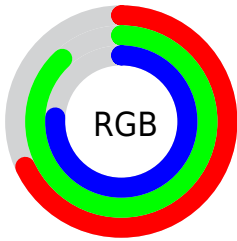
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 210, 225
Decimal	11395522
CIELab	85.32, -22.85, 9.74
CIELCh	85, 24.842, 156.906
Yxy	66.6297, 0.2968, 0.3669
Android (android.graphics.Color)	4289585602 (0xFFADE1C2)
YUV	205.9180, -5.8756, -28.8691
Hunter-Lab	81.6270, -24.9813, 12.7786

# Details

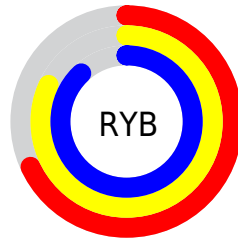
The Yxy color **66.6297, 0.2968, 0.3669** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.2566, 0.3328, 0.2940**, and the grayscale version is **61.7179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1430, 0.2992, 0.3330**, and **34.6360, 0.2933, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **63.7041, 0.2905, 0.3864**, and if you desaturate by 10%, it is **70.0471, 0.3036, 0.3493**.

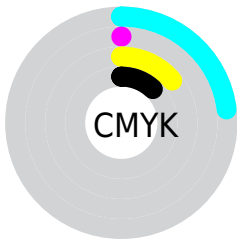
# Distribution



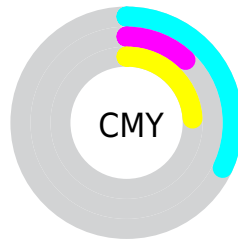
- Red (68%)
- Green (88%)
- Blue (76%)



- Red (68%)
- Yellow (82%)
- Blue (88%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (12%)




- Cyan (32%)
- Magenta (12%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.6297, 0.2968, 0.3669 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 66.6297, 0.2968, 0.3669 by changing the saturation by 10% instead.





 66.6297, 0.2968,  
0.3669

 66.6297, 0.2968,  
0.3669


448.6255, 0.3045,  
0.3486

 48.7838, 0.2949,  
0.3713


 114.3896, 0.2996,  
0.3604

 34.4480, 0.2926,  
0.3768


145.0724, 0.3006,  
0.3579

 23.2380, 0.2895,  
0.3841


180.8030, 0.3015,  
0.3558

 14.7693, 0.2854,  
0.3938

221.9656, 0.3023,  
0.3539

 8.6576, 0.2794,  
0.4077

268.9448, 0.3029,  
0.3523

 4.5186, 0.2702,  
0.4292


322.1250, 0.3035,

 1.9677, 0.2541,

0.3509

0.4664


381.8904, 0.3041,  
0.3497


 0.5886, 0.0027,  
0.9973


 0.0000, 0.0000,  
0.0000


 66.6297, 0.2968,  
0.3669


 66.6297, 0.2968,  
0.3669


 63.7041, 0.2905,  
0.3864


 70.0471, 0.3036,  
0.3493

 61.2390, 0.2849,  
0.4075

 73.9695, 0.3105,  
0.3335

 59.2121, 0.2805,  
0.4299

 78.4198, 0.3175,  
0.3196

 57.5960, 0.2774,  
0.4532

 81.8665, 0.3188,  
0.3069

■ 56.3601, 0.2761,  
0.4766

■ 82.3312, 0.3141,  
0.2999

■ 55.4692, 0.2767,  
0.4993

■ 54.8809, 0.2791,  
0.5204

■ 54.6058, 0.2816,  
0.5336

# Harmonies

## Analogous

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



66.6297, 0.3276, 0.3825



66.6297, 0.2968, 0.3669



66.6297, 0.2712, 0.3397

# Triad

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



66.6297, 0.2968, 0.3669



66.6297, 0.2704, 0.2787



66.6297, 0.3721, 0.3426

# Complementary

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



66.6297, 0.2968, 0.3669



50.2566, 0.3328, 0.2940

# 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.



66.6297, 0.3553, 0.3170



66.6297, 0.2968, 0.3669



66.6297, 0.2957, 0.2813

# Square

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



66.6297, 0.2968, 0.3669



66.6297, 0.2565, 0.2888



66.6297, 0.3268, 0.2951



66.6297, 0.3719, 0.3662



# Rectangle

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



66.6297, 0.2968, 0.3669



66.6297, 0.2601, 0.3199



66.6297, 0.3268, 0.2951



66.6297, 0.3682, 0.3340

# Sweetspot

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



66.6325, 0.2968, 0.3669



96.1042, 0.3078, 0.3395



69.7349, 0.3319, 0.3895



20.5018, 0.3074, 0.3405



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

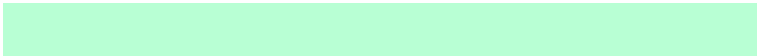


# Same Dimension

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



66.6325, 0.2968, 0.3669



86.4378, 0.2935, 0.3766



67.8931, 0.2816, 0.3351



15.4286, 0.3061, 0.3433



31.4876, 0.2808, 0.5308



2.1999, 0.2722, 0.4997



# Inverse Universe

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



50.2566, 0.3328, 0.2940



60.8736, 0.3384, 0.2859



49.1204, 0.3555, 0.3231



13.8369, 0.3199, 0.3151



10.2406, 0.4552, 0.2281

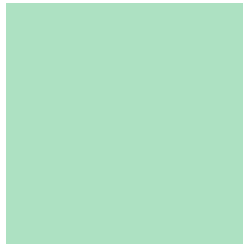


0.7274, 0.4289, 0.2136



# Previews

## White Background



This preview shows how the Yxy color 66.6297, 0.2968, 0.3669 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

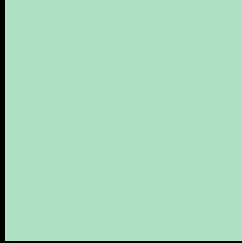
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.6297, 0.2968, 0.3669 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

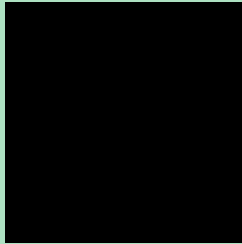
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

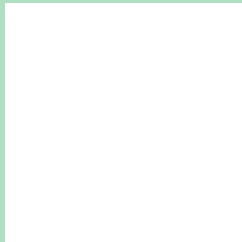
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.6297, 0.2968, 0.3669**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.6297, 0.2968, 0.3669.



This preview shows how white text looks on a background with the Yxy color 66.6297, 0.2968, 0.3669.

# 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

66.6297, 0.2968, 0.3669

### Protanopia

66.2044, 0.3380, 0.3572

### Deuteranopia

65.9170, 0.3436, 0.3366



## Tritanopia

66.5429, 0.2767, 0.3093

# Trichromacy



**Original Color**

66.6297, 0.2968, 0.3669

**Protanomaly**

66.1808, 0.3215, 0.3605

**Deuteranomaly**

65.4143, 0.3246, 0.3461

**Tritanomaly**

66.3983, 0.2837, 0.3289

# Monochromacy



**Original Color**

66.6297, 0.2968, 0.3669

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

63.3221, 0.3063, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.6297, 0.2968, 0.3669 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(173, 225, 194)` looks like.

```
.text, #text, p{  
    color:rgb(173, 225, 194)  
}
```

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(173, 225, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 225, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 66.6297, 0.2968, 0.3669 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(173, 225, 194) }
```

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

```
.border{ border-color:rgb(173, 225, 194) }
```

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

Here you see how a box with a 4 pixel rgb(173, 225, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 225, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 225, 194);  
box-shadow:4px 4px 4px 4px rgb(173, 225,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.6297, 0.2968, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 225, 194) }
```

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

```
.background{ background-color: rgb(173,  
225, 194) }
```

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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