

# Converting Colors

$Yxy(63.1261, 0.2825, 0.3333)$

Have a look what the booklet for  
Yxy(63.1261, 0.2825, 0.3333)  
contains.

<b>Yxy(63.0268, 0.2824, 0.3326)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(63.0268, 0.2824, 0.3326)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAD9D6
RGB	170, 217, 214
RGB Percent	67%, 85%, 84%
CMY	0.3336, 0.1489, 0.1608
CMYK	0.22, 0.00, 0.01, 0.15
HSL	176°, 38%, 76%
HSV	176°, 22%, 85%
XYZ	53.5140, 63.0268, 72.9565
YIQ	202.6050, -27.0490, -10.8970

# Conversions

## Conversions Part 2

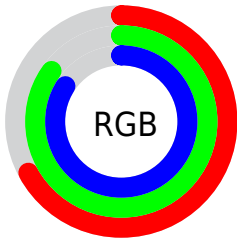
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 194, 217
Decimal	11196886
CIELab	83.46, -15.82, -3.53
CIELCh	83, 16.212, 192.591
Yxy	63.0268, 0.2824, 0.3326
Android (android.graphics.Color)	4289386966 (0xFFAAD9D6)
YUV	202.6050, 5.6177, -28.5946
Hunter-Lab	79.3894, -18.6100, 1.0869

# Details

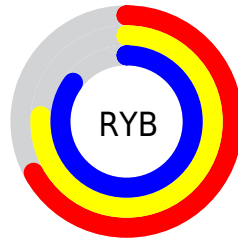
The Yxy color **63.0268, 0.2824, 0.3326** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.4906, 0.3537, 0.3255**, and the grayscale version is **59.4293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **32.1258, 0.2755, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **60.7374, 0.2700, 0.3345**, and if you desaturate by 10%, it is **65.7212, 0.2959, 0.3309**.

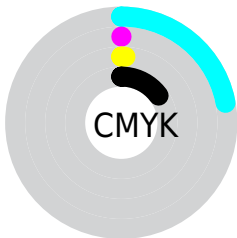
# Distribution



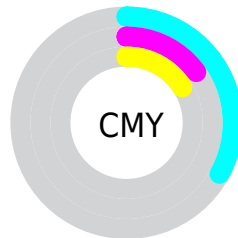
- Red (67%)
- Green (85%)
- Blue (84%)



- Red (67%)
- Yellow (76%)
- Blue (85%)



- Cyan (22%)
- Magenta (0%)
- Yellow (1%)
- Black (15%)




- Cyan (33%)
- Magenta (15%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.0268, 0.2824, 0.3326 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 63.0268, 0.2824, 0.3326 by changing the saturation by 10% instead.





 63.0268, 0.2824,  
0.3326

 63.0268, 0.2824,  
0.3326

435.6667, 0.2967,  
0.3310

 45.8629, 0.2791,  
0.3329


 109.2082, 0.2874,  
0.3321

 32.1376, 0.2749,  
0.3333


138.9944, 0.2894,  
0.3319

 21.4667, 0.2696,  
0.3338


173.7569, 0.2910,  
0.3317

 13.4655, 0.2625,  
0.3344

213.8800, 0.2925,  
0.3315

 7.7499, 0.2527,  
0.3351

259.7482, 0.2937,  
0.3314

 3.9353, 0.2382,  
0.3360

311.7458, 0.2948,

 1.6375, 0.2147,

0.3313

370.2571, 0.2958,  
0.3311

0.3367

0.3827, 0.0000,  
0.3657

0.0000, 0.0000,  
0.0000

63.0268, 0.2824,  
0.3326

63.0268, 0.2824,  
0.3326

60.7374, 0.2700,  
0.3345

65.7212, 0.2959,  
0.3309

58.8256, 0.2590,  
0.3365

68.8310, 0.3102,  
0.3293

57.2728, 0.2496,  
0.3385

72.3759, 0.3251,  
0.3278

56.0556, 0.2421,  
0.3407

76.0425, 0.3389,  
0.3265

■ 55.1480, 0.2364,  
0.3428

■ 76.1166, 0.3379,  
0.3251

■ 54.5201, 0.2327,  
0.3450

■ 76.1914, 0.3369,  
0.3237

■ 54.1360, 0.2308,  
0.3472

■ 76.2667, 0.3359,  
0.3223

■ 53.9519, 0.2303,  
0.3489

■ 76.3427, 0.3349,  
0.3209

■ 76.4194, 0.3339,  
0.3195

# Harmonies

## Analogous

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



63.0268, 0.2987, 0.3508



63.0268, 0.2824, 0.3326



63.0268, 0.2742, 0.3140

# Triad

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



63.0268, 0.2824, 0.3326



63.0268, 0.3054, 0.2978



63.0268, 0.3507, 0.3568

# Complementary

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



63.0268, 0.2824, 0.3326



46.4906, 0.3537, 0.3255

# 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.



63.0268, 0.3528, 0.3419



63.0268, 0.2824, 0.3326



63.0268, 0.3262, 0.3085

# Square

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



63.0268, 0.2824, 0.3326



63.0268, 0.2871, 0.2947



63.0268, 0.3438, 0.3244



63.0268, 0.3382, 0.3648



# Rectangle

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



63.0268, 0.2824, 0.3326



63.0268, 0.2742, 0.3041



63.0268, 0.3438, 0.3244



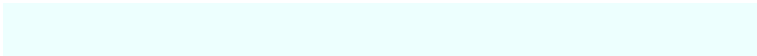
63.0268, 0.3527, 0.3524

# Sweetspot

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



63.0294, 0.2824, 0.3326



96.6966, 0.3025, 0.3301



61.4281, 0.3121, 0.3888



20.6392, 0.3016, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

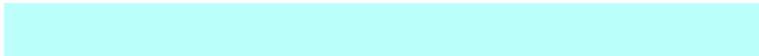


# Same Dimension

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



63.0294, 0.2824, 0.3326



89.2487, 0.2766, 0.3334



53.3049, 0.2788, 0.3035



14.8143, 0.2991, 0.3305



32.6580, 0.2302, 0.3486



2.1202, 0.2292, 0.3451



# Inverse Universe

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



46.4906, 0.3537, 0.3255



61.3750, 0.3650, 0.3247



54.6255, 0.3515, 0.3532



13.0650, 0.3282, 0.3275



8.9544, 0.6328, 0.3260



0.5850, 0.6117, 0.3143



# Previews

## White Background



This preview shows how the Yxy color 63.0268, 0.2824, 0.3326 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

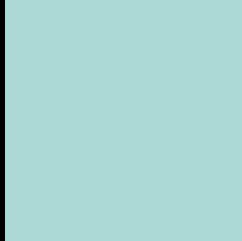
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.0268, 0.2824, 0.3326 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

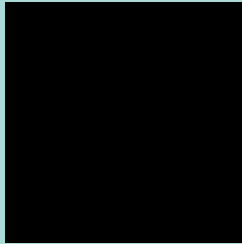
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

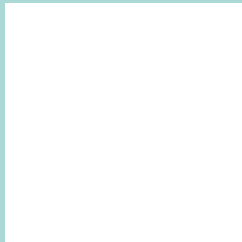
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 63.0268, 0.2824, 0.3326**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.0268, 0.2824, 0.3326.



This preview shows how white text looks on a background with the Yxy color 63.0268, 0.2824, 0.3326.

# 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

63.0268, 0.2824, 0.3326

### Protanopia

62.5456, 0.3151, 0.3267

### Deuteranopia

62.4710, 0.3182, 0.3113



## Tritanopia

62.7469, 0.2741, 0.3088

# Trichromacy



## Original Color

63.0268, 0.2824, 0.3326

## Protanomaly

62.4821, 0.3024, 0.3290

## Deuteranomaly

62.4209, 0.3043, 0.3186

## Tritanomaly

62.8078, 0.2770, 0.3169

# Monochromacy



## Original Color

63.0268, 0.2824, 0.3326

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

60.6931, 0.3008, 0.3302

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.0268, 0.2824, 0.3326 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, 217, 214)` looks like.

```
.text, #text, p{  
    color:rgb(170, 217, 214)  
}
```

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, 217, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 217, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 63.0268, 0.2824, 0.3326 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, 217, 214) }
```

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

```
.border{ border-color:rgb(170, 217, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 217, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 217, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 217, 214);  
box-shadow:4px 4px 4px 4px rgb(170, 217,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 63.0268, 0.2824, 0.3326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 217, 214) }
```

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

```
.background{ background-color: rgb(170,  
217, 214) }
```

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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