

# Converting Colors

$Yxy(66.2094, 0.2993, 0.3445)$

Have a look what the booklet for  
Yxy(66.2094, 0.2993, 0.3445)  
contains.

<b>Yxy(66.3340, 0.2994, 0.3455)</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(66.3340, 0.2994, 0.3455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCDCCE
RGB	188, 220, 206
RGB Percent	74%, 86%, 81%
CMY	0.2626, 0.1373, 0.1921
CMYK	0.15, 0.00, 0.06, 0.14
HSL	154°, 31%, 80%
HSV	154°, 15%, 86%
XYZ	57.4831, 66.3340, 68.1771
YIQ	208.8360, -14.5780, -11.1380

# Conversions

## Conversions Part 2

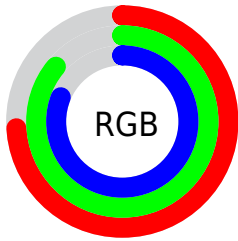
Format	Color
<a href="#">RYB</a>	<a href="#">188, 208, 220</a>
Decimal	<a href="#">12377294</a>
CIELab	<a href="#">85.17, -13.23, 3.32</a>
CIELCh	<a href="#">85, 13.639, 165.900</a>
Yxy	<a href="#">66.3340, 0.2994, 0.3455</a>
Android (android.graphics.Color)	<a href="#">4290567374 (0xFFBCDCCE)</a>
YUV	<a href="#">208.8360, -1.3981, -18.2732</a>
Hunter-Lab	<a href="#">81.4457, -16.5475, 7.3811</a>

# Details

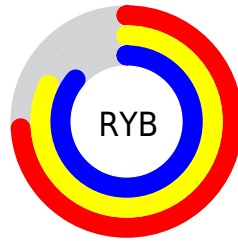
The Yxy color **66.3340, 0.2994, 0.3455** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.4670, 0.3283, 0.3131**, and the grayscale version is **63.6718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **34.2456, 0.2955, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **63.2980, 0.2907, 0.3584**, and if you desaturate by 10%, it is **69.8302, 0.3085, 0.3339**.

# Distribution



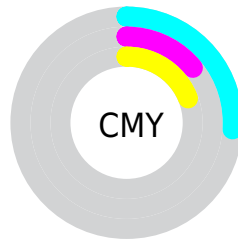
- Red (74%)
- Green (86%)
- Blue (81%)



- Red (74%)
- Yellow (82%)
- Blue (86%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (14%)




- Cyan (26%)
- Magenta (14%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3340, 0.2994, 0.3455 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 66.3340, 0.2994, 0.3455 by changing the saturation by 10% instead.



 66.3340, 0.2994,  
0.3455

 66.3340, 0.2994,  
0.3455


447.5704, 0.3057,  
0.3376

 48.5436, 0.2979,  
0.3474


 113.9656, 0.3016,  
0.3427

 34.2576, 0.2961,  
0.3497


144.5755, 0.3025,  
0.3417

 23.0915, 0.2937,  
0.3527


180.2275, 0.3032,  
0.3408

 14.6611, 0.2905,  
0.3567

221.3057, 0.3038,  
0.3400

 8.5819, 0.2861,  
0.3623

268.1948, 0.3044,  
0.3393

 4.4695, 0.2794,  
0.3709

321.2790, 0.3049,

 1.9395, 0.2683,

0.3387

0.3853

380.9427, 0.3053,  
0.3381

0.5720, 0.1865,  
0.4834

0.0000, 0.0000,  
0.0000

66.3340, 0.2994,  
0.3455

66.3340, 0.2994,  
0.3455

63.2980, 0.2907,  
0.3584

69.8302, 0.3085,  
0.3339

60.6940, 0.2826,  
0.3726


73.7966, 0.3178,  
0.3234

58.5036, 0.2756,  
0.3878


78.2534, 0.3271,  
0.3142

56.7038, 0.2699,  
0.4040


79.0049, 0.3213,  
0.3049

 55.2692, 0.2658,  
0.4209


 79.6066, 0.3149,  
0.2958

 54.1713, 0.2636,  
0.4382

 79.6621, 0.3143,  
0.2950

 53.3770, 0.2635,  
0.4553

 52.8464, 0.2653,  
0.4720

 52.6311, 0.2669,  
0.4809

# Harmonies

## Analogous

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



66.3340, 0.3161, 0.3561



66.3340, 0.2994, 0.3455



66.3340, 0.2865, 0.3303

# Triad

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



66.3340, 0.2994, 0.3455



66.3340, 0.2930, 0.3004



66.3340, 0.3461, 0.3414

# Complementary

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



66.3340, 0.2994, 0.3455



55.4670, 0.3283, 0.3131

# 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.



66.3340, 0.3396, 0.3269



66.3340, 0.2994, 0.3455



66.3340, 0.3086, 0.3037

# Square

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



66.3340, 0.2994, 0.3455



66.3340, 0.2828, 0.3044



66.3340, 0.3257, 0.3133



66.3340, 0.3434, 0.3531



# Rectangle

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



66.3340, 0.2994, 0.3455



66.3340, 0.2816, 0.3199



66.3340, 0.3257, 0.3133



66.3340, 0.3449, 0.3367

# Sweetspot

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



66.3368, 0.2994, 0.3455



97.8325, 0.3090, 0.3333



67.4307, 0.3213, 0.3663



20.8555, 0.3083, 0.3342



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

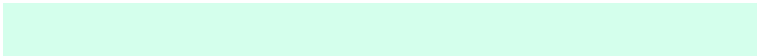


# Same Dimension

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



66.3368, 0.2994, 0.3455



91.5233, 0.2971, 0.3488



66.2122, 0.2907, 0.3271



14.7283, 0.3040, 0.3394



30.9141, 0.2662, 0.4784



2.0200, 0.2588, 0.4516



# Inverse Universe

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



55.4670, 0.3283, 0.3131



73.9199, 0.3316, 0.3101



55.5211, 0.3393, 0.3309



13.1457, 0.3223, 0.3188



9.4497, 0.5213, 0.2645

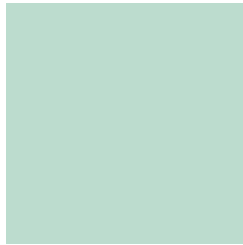


0.6293, 0.4805, 0.2421



# Previews

## White Background



This preview shows how the Yxy color 66.3340, 0.2994, 0.3455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

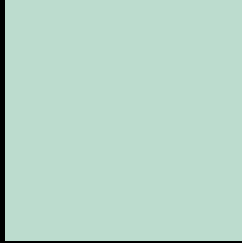
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3340, 0.2994, 0.3455 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

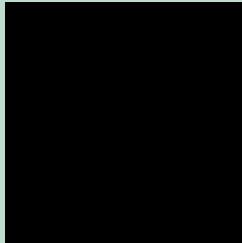
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

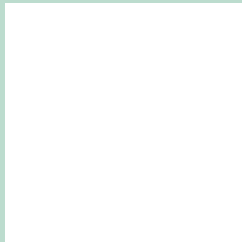
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 66.3340, 0.2994, 0.3455**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3340, 0.2994, 0.3455.

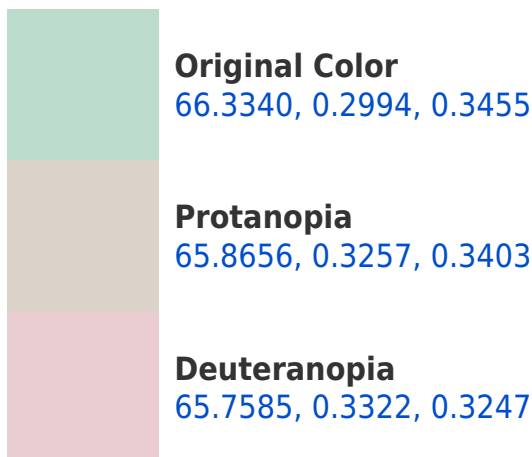


This preview shows how white text looks on a background with the Yxy color 66.3340, 0.2994, 0.3455.

# 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

66.3324, 0.2859, 0.3096

# Trichromacy



**Original Color**

66.3340, 0.2994, 0.3455

**Protanomaly**

65.8148, 0.3158, 0.3416

**Deuteranomaly**

65.3990, 0.3194, 0.3313

**Tritanomaly**

66.0298, 0.2907, 0.3220

# Monochromacy



**Original Color**

66.3340, 0.2994, 0.3455

**Achromatopsia**

63.7597, 0.3127, 0.3290

**Achromatomaly**

64.5601, 0.3073, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3340, 0.2994, 0.3455 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(188, 220, 206)` looks like.

```
.text, #text, p{  
    color:rgb(188, 220, 206)  
}
```

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(188, 220, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 220, 206) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3340, 0.2994, 0.3455 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(188, 220, 206) }
```

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

```
.border{ border-color:rgb(188, 220, 206) }
```

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

Here you see how a box with a 4 pixel rgb(188, 220, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 220, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 220, 206);  
box-shadow:4px 4px 4px 4px rgb(188, 220,  
206) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3340, 0.2994, 0.3455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 220, 206) }
```

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

```
.background{ background-color: rgb(188,  
220, 206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor