

# Converting Colors

Yxy(67.0157, 0.3265, 0.4539)

Have a look what the booklet for  
Yxy(67.0157, 0.3265, 0.4539)  
contains.

<b>Yxy(67.2992, 0.3263, 0.4537)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(67.2992, 0.3263, 0.4537)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A4E885
RGB	164, 232, 133
RGB Percent	64%, 91%, 52%
CMY	0.3568, 0.0902, 0.4784
CMYK	0.29, 0.00, 0.43, 0.09
HSL	101°, 68%, 72%
HSV	101°, 43%, 91%
XYZ	48.4014, 67.2992, 32.6335
YIQ	200.3820, -8.7490, -45.2050

# Conversions

## Conversions Part 2

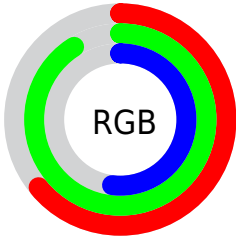
Format	Color
<a href="#">RYB</a>	<a href="#">133, 232, 201</a>
Decimal	<a href="#">10807429</a>
CIELab	<a href="#">85.65, -38.89, 41.42</a>
CIELCh	<a href="#">86, 56.817, 133.192</a>
Yxy	<a href="#">67.2992, 0.3263, 0.4537</a>
Android (android.graphics.Color)	<a href="#">4288997509</a> ( <a href="#">0xFFA4E885</a> )
YUV	<a href="#">200.3820, -33.2193, -31.9070</a>
Hunter-Lab	<a href="#">82.0361, -38.2479, 33.8400</a>

# Details

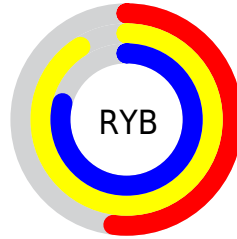
The Yxy color **67.2992, 0.3263, 0.4537** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.0247, 0.2892, 0.2153**, and the grayscale version is **58.2223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4800, 0.3305, 0.4011**, and **34.8960, 0.3261, 0.4880** is the 20% darker color. If you saturate the color by 10%, you get **65.1392, 0.3276, 0.4862**, and if you desaturate by 10%, it is **69.8191, 0.3240, 0.4214**.

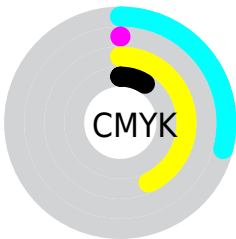
# Distribution



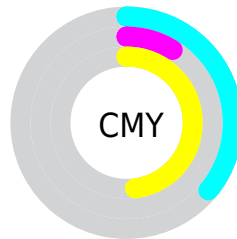
- Red (64%)
- Green (91%)
- Blue (52%)



- Red (52%)
- Yellow (91%)
- Blue (79%)



- Cyan (29%)
- Magenta (0%)
- Yellow (43%)
- Black (9%)




- Cyan (36%)
- Magenta (9%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2992, 0.3263, 0.4537 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 67.2992, 0.3263, 0.4537 by changing the saturation by 10% instead.




 67.2992, 0.3263,  
0.4537


 67.2992, 0.3263,  
0.4537


451.0090, 0.3224,  
0.3920


 49.3278, 0.3264,  
0.4686


 115.3490, 0.3255,  
0.4316

 34.8796, 0.3260,  
0.4874


 146.1963, 0.3251,  
0.4232

 23.5701, 0.3248,  
0.5116


 182.1042, 0.3246,  
0.4160

 15.0151, 0.3216,  
0.5438

223.4574, 0.3241,  
0.4099

 8.8300, 0.3141,  
0.5879

270.6400, 0.3236,  
0.4045

 4.6304, 0.3048,  
0.6669

324.0366, 0.3232,

 2.0321, 0.2556,

0.3998

0.7444

384.0314, 0.3228,  
0.3957

0.6260, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

67.2992, 0.3263,  
0.4537

67.2992, 0.3263,  
0.4537

65.1392, 0.3276,  
0.4862

69.8191, 0.3240,  
0.4214

63.3131, 0.3275,  
0.5170


72.7062, 0.3210,  
0.3904

61.8050, 0.3258,  
0.5443


75.9784, 0.3175,  
0.3617


60.5939, 0.3226,  
0.5662

79.6497, 0.3137,  
0.3355

 59.6553, 0.3181,  
0.5813

 83.7334, 0.3099,  
0.3121

 59.1174, 0.3144,  
0.5886

 86.1952, 0.3138,  
0.3068

# Harmonies

## Analogous

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



67.2992, 0.3917, 0.4509



67.2992, 0.3263, 0.4537



67.2992, 0.2608, 0.4083

# Triad

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



67.2992, 0.3263, 0.4537



67.2992, 0.1972, 0.2327



67.2992, 0.4214, 0.3103

# Complementary

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



67.2992, 0.3263, 0.4537



35.0247, 0.2892, 0.2153

# Split Complementary

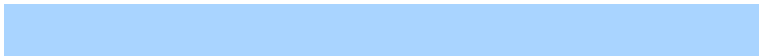
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.2992, 0.3577, 0.2649



67.2992, 0.3263, 0.4537



67.2992, 0.2297, 0.2214

# Square

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



67.2992, 0.3263, 0.4537



67.2992, 0.1911, 0.2709



67.2992, 0.2863, 0.2334



67.2992, 0.4517, 0.3624



# Rectangle

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



67.2992, 0.3263, 0.4537



67.2992, 0.2259, 0.3602



67.2992, 0.2863, 0.2334



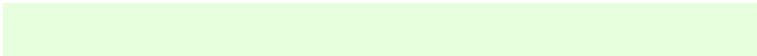
67.2992, 0.4027, 0.2941

# Sweetspot

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



67.3021, 0.3263, 0.4537



93.9799, 0.3176, 0.3628



60.4638, 0.3899, 0.4042



19.9149, 0.3184, 0.3690



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

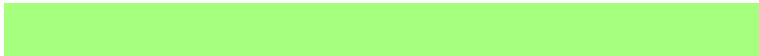


# Same Dimension

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



67.3021, 0.3263, 0.4537



81.0702, 0.3275, 0.4817



64.9426, 0.2969, 0.4369



16.3069, 0.3163, 0.3530



32.8775, 0.3154, 0.5877



2.4775, 0.3265, 0.5790



# Inverse Universe

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



35.0247, 0.2892, 0.2153



36.2136, 0.2826, 0.1924



38.7830, 0.3346, 0.2413



14.3771, 0.3088, 0.3055



7.4172, 0.2433, 0.1114



0.5969, 0.2549, 0.1178



# Previews

## White Background



This preview shows how the Yxy color 67.2992, 0.3263, 0.4537 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 67.2992, 0.3263, 0.4537 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

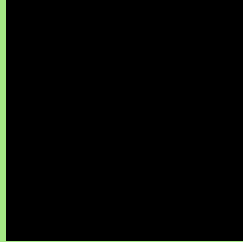
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.2992, 0.3263, 0.4537**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2992, 0.3263, 0.4537.



This preview shows how white text looks on a background with the Yxy color 67.2992, 0.3263, 0.4537.

# 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

67.2992, 0.3263, 0.4537

### Protanopia

66.4185, 0.3898, 0.4233

### Deuteranopia

66.4289, 0.4001, 0.3920



## Tritanopia

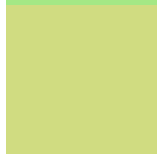
67.1246, 0.2762, 0.3094

# Trichromacy



## Original Color

67.2992, 0.3263, 0.4537



## Protanomaly

66.1813, 0.3647, 0.4344



## Deuteranomaly

65.4868, 0.3717, 0.4137



## Tritanomaly

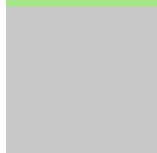
66.5488, 0.2951, 0.3594

# Monochromacy



## Original Color

67.2992, 0.3263, 0.4537



## Achromatopsia

57.7580, 0.3127, 0.3290



## Achromatomaly

60.7864, 0.3188, 0.3735

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2992, 0.3263, 0.4537 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(164, 232, 133)` looks like.

```
.text, #text, p{  
    color:rgb(164, 232, 133)  
}
```

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(164, 232, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 232, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2992, 0.3263, 0.4537 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(164, 232, 133) }
```

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

```
.border{ border-color:rgb(164, 232, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 232, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(164, 232, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(164, 232, 133); box-shadow:4px 4px 4px 4px rgb(164, 232, 133) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2992, 0.3263, 0.4537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 232, 133) }
```

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

```
.background{ background-color: rgb(164,  
232, 133) }
```

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