

# Converting Colors

Yxy(66.3212, 0.3372, 0.4503)

Have a look what the booklet for  
Yxy(66.3212, 0.3372, 0.4503)  
contains.

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# Color

**Yxy(66.3286, 0.3372, 0.4503)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0E482
RGB	176, 228, 130
RGB Percent	69%, 89%, 51%
CMY	0.3100, 0.1058, 0.4902
CMYK	0.23, 0.00, 0.43, 0.11
HSL	92°, 64%, 70%
HSV	92°, 43%, 89%
XYZ	49.6691, 66.3286, 31.3010
YIQ	201.2800, 0.4660, -41.5020

# Conversions

## Conversions Part 2

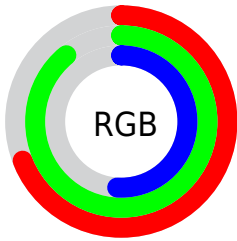
Format	Color
<a href="#">RYB</a>	<a href="#">130, 228, 182</a>
Decimal	<a href="#">11592834</a>
CIELab	<a href="#">85.16, -33.32, 42.42</a>
CIELCh	<a href="#">85, 53.942, 128.143</a>
Yxy	<a href="#">66.3286, 0.3372, 0.4503</a>
Android (android.graphics.Color)	<a href="#">4289782914</a> ( <a href="#">0xFFB0E482</a> )
YUV	<a href="#">201.2800, -35.1410, -22.1706</a>
Hunter-Lab	<a href="#">81.4424, -33.6627, 34.2226</a>

# Details

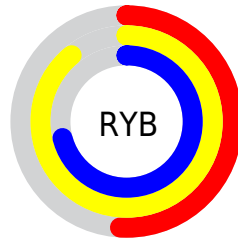
The Yxy color **66.3286, 0.3372, 0.4503** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.5177, 0.2750, 0.2099**, and the grayscale version is **58.8094, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3043, 0.3401, 0.4024**, and **34.1201, 0.3398, 0.4829** is the 20% darker color. If you saturate the color by 10%, you get **64.4367, 0.3407, 0.4804**, and if you desaturate by 10%, it is **68.4879, 0.3325, 0.4198**.

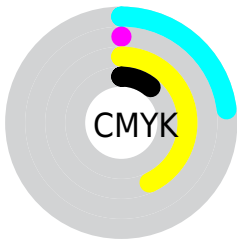
# Distribution



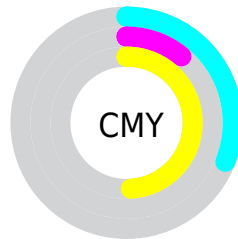
- Red (69%)
- Green (89%)
- Blue (51%)



- Red (51%)
- Yellow (89%)
- Blue (71%)



- Cyan (23%)
- Magenta (0%)
- Yellow (43%)
- Black (11%)




- Cyan (31%)
- Magenta (11%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.3286, 0.3372, 0.4503 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 66.3286, 0.3372, 0.4503 by changing the saturation by 10% instead.




 66.3286, 0.3372,  
0.4503


 66.3286, 0.3372,  
0.4503


447.5511, 0.3280,  
0.3906


 48.5392, 0.3385,  
0.4646


 113.9578, 0.3346,  
0.4290

 34.2541, 0.3397,  
0.4825

 144.5665, 0.3334,  
0.4209

 23.0889, 0.3403,  
0.5055


 180.2169, 0.3323,  
0.4140

 14.6591, 0.3396,  
0.5358

221.2937, 0.3313,  
0.4080

 8.5805, 0.3354,  
0.5768

268.1811, 0.3304,  
0.4028

 4.4686, 0.3341,  
0.6560

321.2635, 0.3295,

 1.9390, 0.2875,

0.3983

0.7125

380.9254, 0.3288,  
0.3942

0.5717, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

66.3286, 0.3372,  
0.4503

66.3286, 0.3372,  
0.4503

64.4367, 0.3407,  
0.4804

68.4879, 0.3325,  
0.4198

62.7911, 0.3424,  
0.5088


70.9173, 0.3269,  
0.3902

61.3813, 0.3422,  
0.5337


73.6302, 0.3208,  
0.3622

60.1918, 0.3398,  
0.5537


76.6368, 0.3146,  
0.3363

 59.2048, 0.3354,  
0.5679

 79.9464, 0.3084,  
0.3127

 58.6155, 0.3315,  
0.5750

 82.7843, 0.3096,  
0.3025

 83.9751, 0.3139,  
0.3029

# Harmonies

## Analogous

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



66.3286, 0.3979, 0.4415



66.3286, 0.3372, 0.4503



66.3286, 0.2731, 0.4143

# Triad

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



66.3286, 0.3372, 0.4503



66.3286, 0.1990, 0.2412



66.3286, 0.4078, 0.3034

# Complementary

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



66.3286, 0.3372, 0.4503



31.5177, 0.2750, 0.2099

# 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.



66.3286, 0.3441, 0.2613



66.3286, 0.3372, 0.4503



66.3286, 0.2262, 0.2259

# Square

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



66.3286, 0.3372, 0.4503



66.3286, 0.1976, 0.2826



66.3286, 0.2771, 0.2338



66.3286, 0.4434, 0.3531



# Rectangle

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



66.3286, 0.3372, 0.4503



66.3286, 0.2373, 0.3709



66.3286, 0.2771, 0.2338



66.3286, 0.3886, 0.2882

# Sweetspot

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



66.3315, 0.3372, 0.4503



94.8583, 0.3209, 0.3624



51.0088, 0.3985, 0.3874



20.1306, 0.3222, 0.3685



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

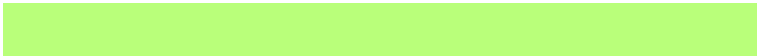


# Same Dimension

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



66.3315, 0.3372, 0.4503



83.1965, 0.3405, 0.4785



61.8962, 0.3056, 0.4603



16.4187, 0.3186, 0.3528



33.9110, 0.3326, 0.5741



2.5608, 0.3439, 0.5651



# Inverse Universe

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



31.5177, 0.2750, 0.2099



32.5520, 0.2641, 0.1829



37.9721, 0.3191, 0.2254



14.2620, 0.3063, 0.3053



5.6569, 0.2088, 0.0924



0.4732, 0.2241, 0.1008



# Previews

## White Background



This preview shows how the Yxy color 66.3286, 0.3372, 0.4503 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

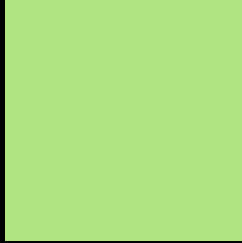
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 66.3286, 0.3372, 0.4503 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 66.3286, 0.3372, 0.4503**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.3286, 0.3372, 0.4503.



This preview shows how white text looks on a background with the Yxy color 66.3286, 0.3372, 0.4503.

# 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

66.3286, 0.3372, 0.4503

### Protanopia

65.6980, 0.3908, 0.4246

### Deuteranopia

65.7780, 0.4050, 0.3969



## Tritanopia

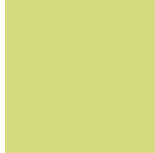
66.0713, 0.2846, 0.3095

# Trichromacy



## Original Color

66.3286, 0.3372, 0.4503



## Protanomaly

65.6462, 0.3706, 0.4345



## Deuteranomaly

64.9769, 0.3792, 0.4161



## Tritanomaly

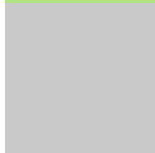
65.6110, 0.3043, 0.3578

# Monochromacy



## Original Color

66.3286, 0.3372, 0.4503



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

60.8901, 0.3234, 0.3731

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.3286, 0.3372, 0.4503 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(176, 228, 130)` looks like.

```
.text, #text, p{  
    color:rgb(176, 228, 130)  
}
```

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(176, 228, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 228, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 66.3286, 0.3372, 0.4503 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(176, 228, 130) }
```

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

```
.border{ border-color:rgb(176, 228, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 228, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 228, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 228, 130); box-shadow:4px 4px 4px 4px rgb(176, 228, 130) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.3286, 0.3372, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 228, 130) }
```

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

```
.background{ background-color: rgb(176,  
228, 130) }
```

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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