

# Converting Colors

Yxy(61.7790, 0.3435, 0.4444)

Have a look what the booklet for  
Yxy(61.7790, 0.3435, 0.4444)  
contains.

<b>Yxy(61.7790, 0.3435, 0.4444)</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(61.7790, 0.3435, 0.4444)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B3DB7F
RGB	179, 219, 127
RGB Percent	70%, 86%, 50%
CMY	0.2980, 0.1412, 0.5020
CMYK	0.18, 0.00, 0.42, 0.14
HSL	86°, 56%, 68%
HSV	86°, 42%, 86%
XYZ	47.7522, 61.7790, 29.4854
YIQ	196.5520, 5.6920, -37.0920

# Conversions

## Conversions Part 2

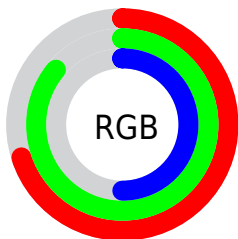
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 219, 167
Decimal	11787135
CIELab	82.80, -28.36, 40.94
CIElCh	83, 49.805, 124.707
Yxy	61.7790, 0.3435, 0.4444
Android (android.graphics.Color)	4289977215 (0xFFB3DB7F)
YUV	196.5520, -34.2891, -15.3931
Hunter-Lab	78.5996, -29.1039, 32.7780

# Details

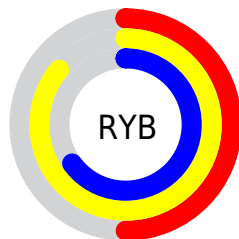
The Yxy color **61.7790, 0.3435, 0.4444** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.5097, 0.2681, 0.2105**, and the grayscale version is **55.7596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.6891, 0.3439, 0.4050**, and **31.4327, 0.3482, 0.4751** is the 20% darker color. If you saturate the color by 10%, you get **60.1756, 0.3487, 0.4731**, and if you desaturate by 10%, it is **63.5904, 0.3370, 0.4152**.

# Distribution



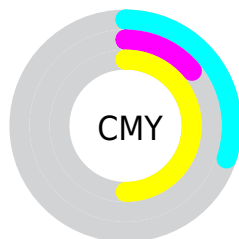
- Red (70%)
- Green (86%)
- Blue (50%)



- Red (50%)
- Yellow (86%)
- Blue (65%)



- Cyan (18%)
- Magenta (0%)
- Yellow (42%)
- Black (14%)




- Cyan (30%)
- Magenta (14%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.7790, 0.3435, 0.4444 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 61.7790, 0.3435, 0.4444 by changing the saturation by 10% instead.




 61.7790, 0.3435,  
0.4444

 61.7790, 0.3435,  
0.4444


431.1245, 0.3310,  
0.3873


 44.8542, 0.3457,  
0.4582


 107.4061, 0.3396,  
0.4239

 31.3426, 0.3479,  
0.4755


 136.8771, 0.3380,  
0.4162

 20.8598, 0.3500,  
0.4978


 171.2989, 0.3365,  
0.4095

 13.0216, 0.3511,  
0.5273

211.0560, 0.3351,  
0.4038

 7.4434, 0.3492,  
0.5673

256.5327, 0.3339,  
0.3989

 3.7409, 0.3525,  
0.6475

308.1134, 0.3328,

 1.5297, 0.2995,

0.3946

0.7005

366.1825, 0.3319,  
0.3907

0.3095, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

61.7790, 0.3435,  
0.4444

61.7790, 0.3435,  
0.4444

60.1756, 0.3487,  
0.4731

63.5904, 0.3370,  
0.4152

58.7622, 0.3521,  
0.4999


65.6104, 0.3298,  
0.3866

57.5309, 0.3535,  
0.5236

67.8501, 0.3221,  
0.3593

56.4695, 0.3524,  
0.5426

70.3174, 0.3143,  
0.3339


 55.5639, 0.3491,  
0.5564

 73.0194, 0.3066,  
0.3105

 54.9342, 0.3452,  
0.5641

 75.7422, 0.3014,  
0.2926

 77.4173, 0.3079,  
0.2933

 79.1459, 0.3144,  
0.2940

# Harmonies

## Analogous

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



61.7790, 0.3996, 0.4328



61.7790, 0.3435, 0.4444



61.7790, 0.2821, 0.4151

# Triad

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



61.7790, 0.3435, 0.4444



61.7790, 0.2029, 0.2490



61.7790, 0.3967, 0.2998

# Complementary

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



61.7790, 0.3435, 0.4444



28.5097, 0.2681, 0.2105

# 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.



61.7790, 0.3351, 0.2608



61.7790, 0.3435, 0.4444



61.7790, 0.2262, 0.2313

# Square

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



61.7790, 0.3435, 0.4444



61.7790, 0.2046, 0.2915



61.7790, 0.2726, 0.2363



61.7790, 0.4343, 0.3469



# Rectangle

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



61.7790, 0.3435, 0.4444



61.7790, 0.2466, 0.3761



61.7790, 0.2726, 0.2363



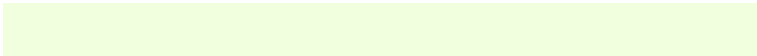
61.7790, 0.3777, 0.2855

# Sweetspot

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



61.7817, 0.3435, 0.4444



95.4138, 0.3229, 0.3622



44.1826, 0.3998, 0.3771



20.2676, 0.3246, 0.3682



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

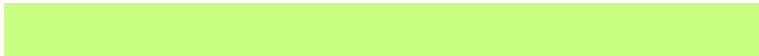


# Same Dimension

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



61.7817, 0.3435, 0.4444



85.2841, 0.3480, 0.4686



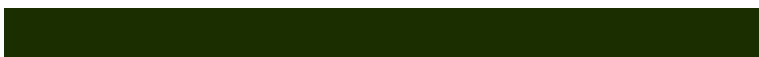
57.1956, 0.3106, 0.4571



14.9674, 0.3201, 0.3526



32.6375, 0.3462, 0.5633



2.1650, 0.3577, 0.5542



# Inverse Universe

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



28.5097, 0.2681, 0.2105



32.5883, 0.2565, 0.1848



34.4204, 0.3116, 0.2245



12.8927, 0.3048, 0.3053



4.5447, 0.1908, 0.0824

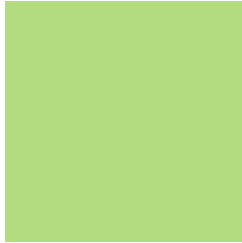


0.3448, 0.2092, 0.0926



# Previews

## White Background



This preview shows how the Yxy color 61.7790, 0.3435, 0.4444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

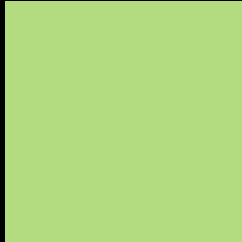
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.7790, 0.3435, 0.4444 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 61.7790, 0.3435, 0.4444**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.7790, 0.3435, 0.4444.



This preview shows how white text looks on a background with the Yxy color 61.7790, 0.3435, 0.4444.

# 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

61.7790, 0.3435, 0.4444

### Protanopia

61.5553, 0.3892, 0.4231

### Deuteranopia

61.1023, 0.4065, 0.3967



## Tritanopia

61.8310, 0.2911, 0.3103

# Trichromacy



## Original Color

61.7790, 0.3435, 0.4444



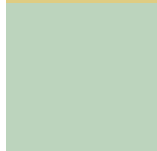
## Protanomaly

61.4537, 0.3714, 0.4311



## Deuteranomaly

60.4854, 0.3829, 0.4132



## Tritanomaly

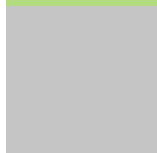
61.4525, 0.3107, 0.3571

# Monochromacy



## Original Color

61.7790, 0.3435, 0.4444



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

57.5884, 0.3247, 0.3701

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  61.7790, 0.3435, 0.4444 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(179, 219, 127)` looks like.

```
.text, #text, p{  
    color:rgb(179, 219, 127)  
}
```

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(179, 219, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 219, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 61.7790, 0.3435, 0.4444 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(179, 219, 127) }
```

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

```
.border{ border-color:rgb(179, 219, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 219, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 219, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 219, 127);  
box-shadow:4px 4px 4px 4px rgb(179, 219,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.7790, 0.3435, 0.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 219, 127) }
```

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

```
.background{ background-color: rgb(179,  
219, 127) }
```

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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