

Converting Colors

$Yxy(75.8251, 0.3437, 0.4854)$

Have a look what the booklet for
Yxy(75.8251, 0.3437, 0.4854)
contains.

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Color

Yxy(75.7777, 0.3437, 0.4860)

Conversions

Conversions Part 1

Format	Color
Hex	B1F56E
RGB	177, 245, 110
RGB Percent	69%, 96%, 43%
CMY	0.3061, 0.0392, 0.5686
CMYK	0.28, 0.00, 0.55, 0.04
HSL	90°, 87%, 70%
HSV	90°, 55%, 96%
XYZ	53.5901, 75.7777, 26.5534
YIQ	209.2780, 2.8070, -56.4010

Conversions

Conversions Part 2

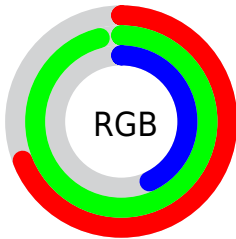
Format	Color
RYB	110, 245, 178
Decimal	11662702
CIELab	89.76, -42.78, 57.38
CIELCh	90, 71.575, 126.704
Yxy	75.7777, 0.3437, 0.4860
Android (android.graphics.Color)	4289852782 (0xFFB1F56E)
YUV	209.2780, -48.9441, -28.3078
Hunter-Lab	87.0504, -42.4497, 42.8498

Details

The Yxy color **75.7777, 0.3437, 0.4860** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **27.2184, 0.2573, 0.1732**, and the grayscale version is **64.2717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8988, 0.3524, 0.4216**, and **40.2450, 0.3443, 0.5240** is the 20% darker color. If you saturate the color by 10%, you get **73.9341, 0.3454, 0.5133**, and if you desaturate by 10%, it is **77.9067, 0.3402, 0.4564**.

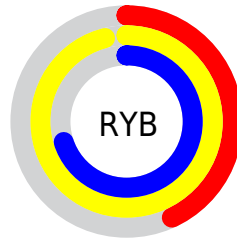
Distribution



Red (69%)

Green (96%)

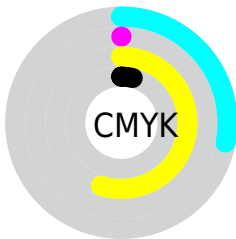
Blue (43%)



Red (43%)

Yellow (96%)

Blue (70%)

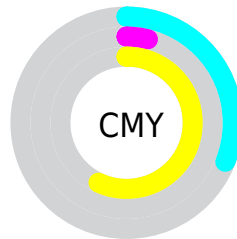


Cyan (28%)

Magenta (0%)

Yellow (55%)

Black (4%)



Cyan (31%)

Magenta (4%)

Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.7777, 0.3437, 0.4860 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 75.7777, 0.3437, 0.4860 by changing the saturation by 10% instead.


 75.7777, 0.3437,
0.4860


 75.7777, 0.3437,
0.4860

480.5864, 0.3338,
0.4106


 56.2502, 0.3445,
0.5033


 127.4126, 0.3414,
0.4596


 40.4036, 0.3447,
0.5245


 160.2889, 0.3401,
0.4494

 27.8534, 0.3435,
0.5508


 198.3835, 0.3389,
0.4406

 18.2151, 0.3396,
0.5838

 242.0810, 0.3378,
0.4330

 11.1046, 0.3303,
0.6257

291.7656, 0.3367,
0.4263

 6.1372, 0.3134,
0.6866


347.8217, 0.3357,

 2.9287, 0.2638,

0.4205

0.7362


410.6339, 0.3347,
0.4152


 1.0946, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 75.7777, 0.3437,
0.4860


 75.7777, 0.3437,
0.4860


 73.9341, 0.3454,
0.5133


 77.9067, 0.3402,
0.4564


 72.3500, 0.3450,
0.5368


 80.3256, 0.3352,
0.4262


 71.0106, 0.3423,
0.5552

 83.0509, 0.3293,
0.3964

 69.8942, 0.3376,
0.5678

 86.0950, 0.3228,
0.3680

 69.4147, 0.3348,
0.5723

 89.4693, 0.3161,
0.3416

 93.0545, 0.3107,
0.3194

 93.7937, 0.3132,
0.3195

Harmonies

Analogous

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



75.7777, 0.4189, 0.4659



75.7777, 0.3437, 0.4860



75.7777, 0.2645, 0.4440

Triad

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



75.7777, 0.3437, 0.4860



75.7777, 0.1732, 0.2209



75.7777, 0.4300, 0.2929

Complementary

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



75.7777, 0.3437, 0.4860



27.2184, 0.2573, 0.1732

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.



75.7777, 0.3471, 0.2438



75.7777, 0.3437, 0.4860



75.7777, 0.2037, 0.2030

Square

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



75.7777, 0.3437, 0.4860



75.7777, 0.1723, 0.2715



75.7777, 0.2636, 0.2119



75.7777, 0.4769, 0.3515

Rectangle

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



75.7777, 0.3437, 0.4860



75.7777, 0.2203, 0.3866



75.7777, 0.2636, 0.2119



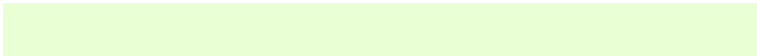
75.7777, 0.4047, 0.2751

Sweetspot

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



75.7810, 0.3437, 0.4860



93.6041, 0.3241, 0.3734



52.1864, 0.4319, 0.4004



19.8883, 0.3254, 0.3790



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.



75.7810, 0.3437, 0.4860



80.7667, 0.3455, 0.5160



69.7547, 0.3044, 0.5067



18.8755, 0.3191, 0.3529



37.4722, 0.3360, 0.5714



3.3545, 0.3455, 0.5639

Inverse Universe

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



27.2184, 0.2573, 0.1732



22.7070, 0.2427, 0.1437



37.1609, 0.3188, 0.1984



16.3372, 0.3058, 0.3051



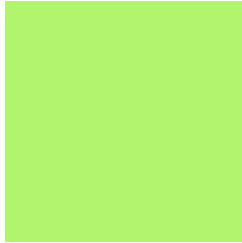
5.9229, 0.2031, 0.0892



0.5817, 0.2165, 0.0966

Previews

White Background



This preview shows how the Yxy color 75.7777, 0.3437, 0.4860 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 75.7777, 0.3437, 0.4860 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

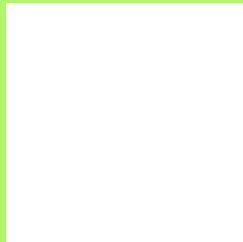
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.7777, 0.3437, 0.4860

Background



This preview shows how black text looks on a background with the Yxy color 75.7777, 0.3437, 0.4860.

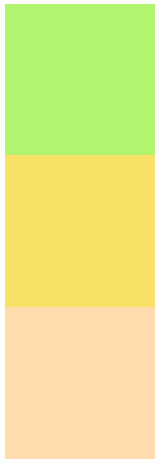


This preview shows how white text looks on a background with the Yxy color 75.7777, 0.3437, 0.4860.

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

75.7777, 0.3437, 0.4860

Protanopia

74.9896, 0.4090, 0.4479

Deuteranopia

74.9790, 0.3714, 0.3753



Tritanopia

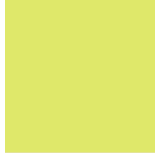
75.3035, 0.2801, 0.3083

Trichromacy



Original Color

75.7777, 0.3437, 0.4860



Protanomaly

74.4418, 0.3842, 0.4622



Deuteranomaly

74.0521, 0.3628, 0.4132



Tritanomaly

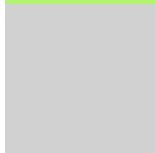
74.4410, 0.3055, 0.3719

Monochromacy



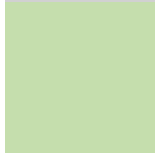
Original Color

75.7777, 0.3437, 0.4860



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

67.1300, 0.3271, 0.3873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.7777, 0.3437, 0.4860 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(177, 245, 110)` looks like.

```
.text, #text, p{  
    color:rgb(177, 245, 110)  
}
```

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(177, 245, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 245, 110) }
```

Border

The CSS property to change the border of an element to Yxy 75.7777, 0.3437, 0.4860 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(177, 245, 110) }
```

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

```
.border{ border-color:rgb(177, 245, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 245, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 245, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 245, 110);  
box-shadow:4px 4px 4px 4px rgb(177, 245,  
110) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 75.7777, 0.3437, 0.4860$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 245, 110) }
```

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

```
.background{ background-color: rgb(177,  
245, 110) }
```

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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