

Converting Colors

$Yxy(67.7948, 0.3762, 0.4351)$

Have a look what the booklet for
Yxy(67.7948, 0.3762, 0.4351)
contains.

Yxy(67.7271, 0.3760, 0.4352)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(67.7271, 0.3760, 0.4352)

Conversions

Conversions Part 1

Format	Color
Hex	DBDC7D
RGB	219, 220, 125
RGB Percent	86%, 86%, 49%
CMY	0.1410, 0.1373, 0.5099
CMYK	0.00, 0.00, 0.43, 0.14
HSL	61°, 58%, 68%
HSV	61°, 43%, 86%
XYZ	58.5142, 67.7271, 29.3816
YIQ	208.8710, 29.8990, -29.7570

Conversions

Conversions Part 2

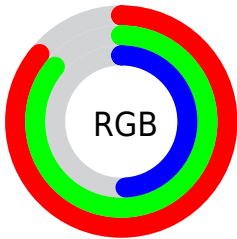
Format	Color
R _{YB}	125, 220, 126
Decimal	14408829
CIE _{Lab}	85.87, -13.75, 46.40
CIE _{LCh}	86, 48.390, 106.503
Y _{xy}	67.7271, 0.3760, 0.4352
Android (android.graphics.Color)	4292598909 (0xFFDBDC7D)
Y _{UV}	208.8710, -41.3484, 8.8831
Hunter-Lab	82.2965, -17.1022, 36.4397

Details

The Yxy color **67.7271, 0.3760, 0.4352** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **24.2593, 0.2327, 0.1957**, and the grayscale version is **63.9352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0347, 0.3579, 0.4037**, and **35.0727, 0.3882, 0.4606** is the 20% darker color. If you saturate the color by 10%, you get **67.1943, 0.3886, 0.4566**, and if you desaturate by 10%, it is **68.3906, 0.3620, 0.4116**.

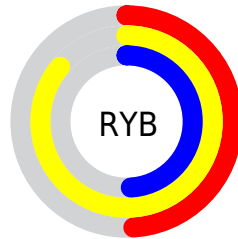
Distribution



Red (86%)

Green (86%)

Blue (49%)



Red (49%)

Yellow (86%)

Blue (49%)

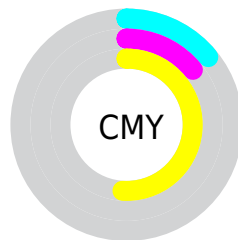


Cyan (0%)

Magenta (0%)

Yellow (43%)

Black (14%)



Cyan (14%)


Magenta (14%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.7271, 0.3760, 0.4352 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 67.7271, 0.3760, 0.4352 by changing the saturation by 10% instead.


 67.7271, 0.3760,
0.4352


 67.7271, 0.3760,
0.4352


452.5285, 0.3482,
0.3852

 49.6758, 0.3817,
0.4465


 115.9617, 0.3668,
0.4179

 35.1558, 0.3882,
0.4602


 146.9136, 0.3631,
0.4112

 23.7829, 0.3957,
0.4771


 182.9346, 0.3599,
0.4053

 15.1727, 0.4040,
0.4982

224.4090, 0.3570,
0.4003

 8.9407, 0.4120,
0.5244

271.7212, 0.3544,
0.3958

 4.7025, 0.4284,
0.5716

325.2556, 0.3521,

 2.0738, 0.4092,

0.3919

0.5908

385.3966, 0.3501,
0.3884

0.6498, 0.3027,
0.6973

0.0000, 0.0000,
0.0000

67.7271, 0.3760,
0.4352

67.7271, 0.3760,
0.4352

67.1943, 0.3886,
0.4566

68.3906, 0.3620,
0.4116

66.7747, 0.3993,
0.4748


69.1832, 0.3472,
0.3867


66.4619, 0.4077,
0.4890


70.1148, 0.3321,
0.3615


66.2453, 0.4134,
0.4990


71.1919, 0.3173,
0.3367


 66.1119, 0.4165,
0.5046


 72.4206, 0.3031,
0.3129

 66.0541, 0.4175,
0.5067

 73.6789, 0.2909,
0.2925

 73.7138, 0.2910,
0.2925

 73.7488, 0.2911,
0.2925

 73.7839, 0.2913,
0.2925

Harmonies

Analogous

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



67.7271, 0.4182, 0.4077



67.7271, 0.3760, 0.4352



67.7271, 0.3191, 0.4311

Triad

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



67.7271, 0.3760, 0.4352



67.7271, 0.2066, 0.2754



67.7271, 0.3581, 0.2776

Complementary

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



67.7271, 0.3760, 0.4352



24.2593, 0.2327, 0.1957

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.



67.7271, 0.2970, 0.2481



67.7271, 0.3760, 0.4352



67.7271, 0.2145, 0.2440

Square

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



67.7271, 0.3760, 0.4352



67.7271, 0.2233, 0.3284



67.7271, 0.2458, 0.2357



67.7271, 0.4095, 0.3187

Rectangle

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



67.7271, 0.3760, 0.4352



67.7271, 0.2808, 0.4068



67.7271, 0.2458, 0.2357



67.7271, 0.3377, 0.2662

Sweetspot

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



67.7302, 0.3760, 0.4352



97.9821, 0.3320, 0.3613



31.3564, 0.4258, 0.3293



20.9064, 0.3354, 0.3669



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.



67.7302, 0.3760, 0.4352



93.9407, 0.3877, 0.4550



61.4909, 0.3395, 0.4498



15.2568, 0.3265, 0.3521



38.7707, 0.4176, 0.5066



2.5140, 0.4179, 0.5064

Inverse Universe

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



24.2593, 0.2327, 0.1957



25.5037, 0.2128, 0.1628



28.6541, 0.2722, 0.2087



12.6235, 0.2982, 0.3048



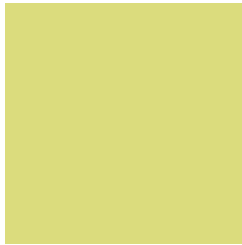
3.0440, 0.1504, 0.0602



0.1995, 0.1514, 0.0608

Previews

White Background



This preview shows how the Yxy color 67.7271, 0.3760, 0.4352 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 67.7271, 0.3760, 0.4352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

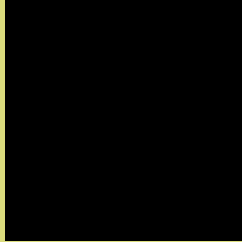
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.7271, 0.3760, 0.4352

Background



This preview shows how black text looks on a background with the Yxy color 67.7271, 0.3760, 0.4352.



This preview shows how white text looks on a background with the Yxy color 67.7271, 0.3760, 0.4352.

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

67.7271, 0.3760, 0.4352

Protanopia

67.6931, 0.3924, 0.4275

Deuteranopia

67.3858, 0.3991, 0.3940



Tritanopia

67.3710, 0.3173, 0.3108

Trichromacy



Original Color

67.7271, 0.3760, 0.4352

Protanomaly

67.7390, 0.3859, 0.4302

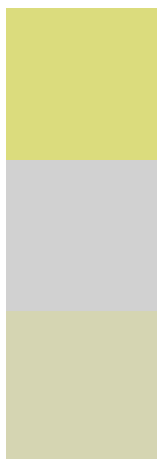
Deuteranomaly

67.2434, 0.3913, 0.4088

Tritanomaly

66.9298, 0.3396, 0.3547

Monochromacy



Original Color

67.7271, 0.3760, 0.4352

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

64.9490, 0.3372, 0.3695

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7271, 0.3760, 0.4352 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(219, 220, 125)` looks like.

```
.text, #text, p{  
    color:rgb(219, 220, 125)  
}
```

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(219, 220, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 220, 125) }
```

Border

The CSS property to change the border of an element to Yxy 67.7271, 0.3760, 0.4352 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(219, 220, 125) }
```

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

```
.border{ border-color:rgb(219, 220, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 220, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 220, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 220, 125);  
box-shadow:4px 4px 4px 4px rgb(219, 220,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7271, 0.3760, 0.4352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 220, 125) }
```

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

```
.background{ background-color: rgb(219,  
220, 125) }
```

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