

Converting Colors

$Yxy(63.5636, 0.3861, 0.4366)$

Have a look what the booklet for
Yxy(63.5636, 0.3861, 0.4366)
contains.

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Color

Yxy(63.5636, 0.3861, 0.4366)

Conversions

Conversions Part 1

Format	Color
Hex	DCD474
RGB	220, 212, 116
RGB Percent	86%, 83%, 45%
CMY	0.1372, 0.1686, 0.5453
CMYK	0.00, 0.04, 0.47, 0.14
HSL	55°, 60%, 66%
HSV	55°, 47%, 86%
XYZ	56.2114, 63.5636, 25.8127
YIQ	203.4480, 35.5840, -28.1600

Conversions

Conversions Part 2

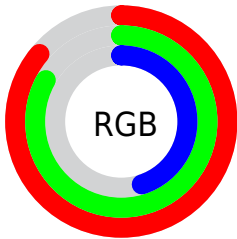
Format	Color
RYB	125, 220, 116
Decimal	14472308
CIELab	83.74, -10.21, 48.18
CIELCh	84, 49.251, 101.967
Yxy	63.5636, 0.3861, 0.4366
Android (android.graphics.Color)	4292662388 (0xFFDCD474)
YUV	203.4480, -43.1119, 14.5161
Hunter-Lab	79.7268, -13.6703, 36.6128

Details

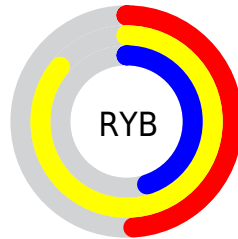
The Yxy color **63.5636, 0.3861, 0.4366** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.2818, 0.2251, 0.1918**, and the grayscale version is **60.2769, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **32.6104, 0.4007, 0.4624** is the 20% darker color. If you saturate the color by 10%, you get **62.2719, 0.4000, 0.4557**, and if you desaturate by 10%, it is **64.9913, 0.3709, 0.4151**.

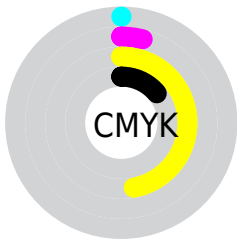
Distribution



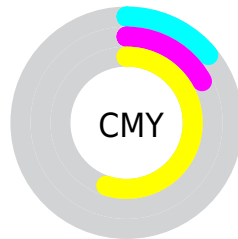
- Red (86%)
- Green (83%)
- Blue (45%)



- Red (49%)
- Yellow (86%)
- Blue (45%)



- Cyan (0%)
- Magenta (4%)
- Yellow (47%)
- Black (14%)





- Cyan (14%)
- Magenta (17%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.5636, 0.3861, 0.4366 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 63.5636, 0.3861, 0.4366 by changing the saturation by 10% instead.

 63.5636, 0.3861,
0.4366


 63.5636, 0.3861,
0.4366

437.6120, 0.3533,
0.3860


 46.2973, 0.3929,
0.4479

 109.9822, 0.3752,
0.4192

 32.4805, 0.4007,
0.4615


 139.9033, 0.3708,
0.4123

 21.7288, 0.4097,
0.4782


 174.8115, 0.3670,
0.4064

 13.6577, 0.4197,
0.4985

215.0911, 0.3636,
0.4013

 7.8830, 0.4299,
0.5237

261.1266, 0.3606,
0.3968

 4.0202, 0.4415,
0.5585

313.3023, 0.3579,

 1.6849, 0.4256,

0.3928

0.5744

372.0026, 0.3555,
0.3892

0.4138, 0.2582,
0.7418

0.0000, 0.0000,
0.0000

63.5636, 0.3861,
0.4366

63.5636, 0.3861,
0.4366

62.2719, 0.4000,
0.4557

64.9913, 0.3709,
0.4151

61.0986, 0.4120,
0.4715


66.5540, 0.3551,
0.3921

60.0368, 0.4216,
0.4831


68.2618, 0.3391,
0.3687


59.0750, 0.4285,
0.4904


70.1216, 0.3236,
0.3455


 58.1976, 0.4327,
0.4934

 72.1394, 0.3088,
0.3231

 57.9681, 0.4336,
0.4939

 74.3213, 0.2949,
0.3018

 75.6715, 0.2907,
0.2966

 76.5853, 0.2908,
0.2984

 77.5083, 0.2909,
0.3002

Harmonies

Analogous

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



63.5636, 0.4264, 0.4041



63.5636, 0.3861, 0.4366



63.5636, 0.3283, 0.4388

Triad

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



63.5636, 0.3861, 0.4366



63.5636, 0.2039, 0.2801



63.5636, 0.3502, 0.2702

Complementary

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



63.5636, 0.3861, 0.4366



23.2818, 0.2251, 0.1918

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.



63.5636, 0.2872, 0.2422



63.5636, 0.3861, 0.4366



63.5636, 0.2082, 0.2442

Square

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



63.5636, 0.3861, 0.4366



63.5636, 0.2248, 0.3378



63.5636, 0.2369, 0.2323



63.5636, 0.4068, 0.3112

Rectangle

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



63.5636, 0.3861, 0.4366



63.5636, 0.2881, 0.4174



63.5636, 0.2369, 0.2323



63.5636, 0.3288, 0.2591

Sweetspot

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



63.5665, 0.3861, 0.4366



96.1700, 0.3341, 0.3612



29.1674, 0.4313, 0.3190



20.4663, 0.3376, 0.3663



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.



63.5665, 0.3861, 0.4366



86.9682, 0.4002, 0.4560



61.7591, 0.3479, 0.4591



15.0834, 0.3269, 0.3504



34.0910, 0.4334, 0.4941



2.2607, 0.4308, 0.4961

Inverse Universe

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



23.2818, 0.2251, 0.1918



24.1473, 0.2042, 0.1578



25.0493, 0.2591, 0.1936



12.7773, 0.2981, 0.3067



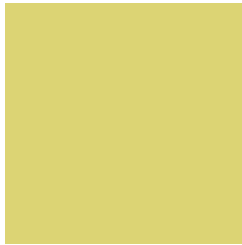
3.3294, 0.1515, 0.0652



0.2731, 0.1557, 0.0803

Previews

White Background



This preview shows how the Yxy color 63.5636, 0.3861, 0.4366 looks on a white background.

Color Contrast Check

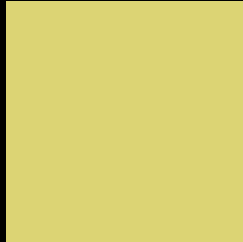
Large Text (above 18pt) WCAG AA × Fail

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 63.5636, 0.3861, 0.4366 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

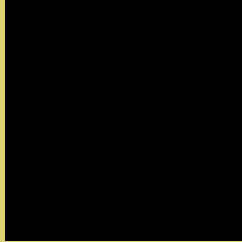
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

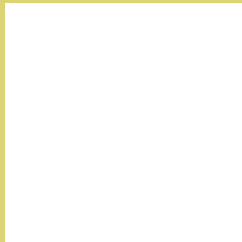
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.5636, 0.3861, 0.4366

Background



This preview shows how black text looks on a background with the Yxy color 63.5636, 0.3861, 0.4366.



This preview shows how white text looks on a background with the Yxy color 63.5636, 0.3861, 0.4366.

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

63.5636, 0.3861, 0.4366

Protanopia

63.6617, 0.3965, 0.4313

Deuteranopia

63.2496, 0.4193, 0.4104



Tritanopia

63.5542, 0.3243, 0.3127

Trichromacy



Original Color

63.5636, 0.3861, 0.4366

Protanomaly

63.4997, 0.3927, 0.4336

Deuteranomaly

63.3710, 0.4072, 0.4197

Tritanomaly

63.1267, 0.3477, 0.3573

Monochromacy



Original Color

63.5636, 0.3861, 0.4366

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

60.6382, 0.3405, 0.3705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.5636, 0.3861, 0.4366 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(220, 212, 116)` looks like.

```
.text, #text, p{  
    color:rgb(220, 212, 116)  
}
```

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(220, 212, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 212, 116) }
```

Border

The CSS property to change the border of an element to Yxy 63.5636, 0.3861, 0.4366 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(220, 212, 116) }
```

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

```
.border{ border-color:rgb(220, 212, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 212, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 212, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 212, 116);  
box-shadow:4px 4px 4px 4px rgb(220, 212,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 63.5636, 0.3861, 0.4366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 212, 116) }
```

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

```
.background{ background-color: rgb(220,  
212, 116) }
```

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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