

Converting Colors

$Yxy(63.7293, 0.3697, 0.4454)$

Have a look what the booklet for
Yxy(63.7293, 0.3697, 0.4454)
contains.

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Color

Yxy(63.7474, 0.3701, 0.4457)

Conversions

Conversions Part 1

Format	Color
Hex	CCD975
RGB	204, 217, 117
RGB Percent	80%, 85%, 46%
CMY	0.1998, 0.1490, 0.5411
CMYK	0.06, 0.00, 0.46, 0.15
HSL	68°, 57%, 65%
HSV	68°, 46%, 85%
XYZ	52.9345, 63.7474, 26.3457
YIQ	201.7130, 24.3520, -33.8560

Conversions

Conversions Part 2

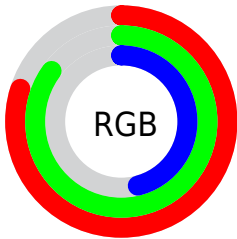
Format	Color
RYB	117, 217, 130
Decimal	13425013
CIELab	83.83, -18.95, 47.50
CIElCh	84, 51.139, 111.744
Yxy	63.7474, 0.3701, 0.4457
Android (android.graphics.Color)	4291615093 (0xFFCCD975)
YUV	201.7130, -41.7635, 2.0057
Hunter-Lab	79.8420, -21.3795, 36.3253

Details

The Yxy color **63.7474, 0.3701, 0.4457** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.4763, 0.2359, 0.1888**, and the grayscale version is **59.1340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7203, 0.3626, 0.4115**, and **32.5182, 0.3808, 0.4747** is the 20% darker color. If you saturate the color by 10%, you get **62.9039, 0.3801, 0.4684**, and if you desaturate by 10%, it is **64.7222, 0.3586, 0.4209**.

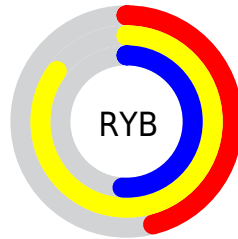
Distribution



Red (80%)

Green (85%)

Blue (46%)



Red (46%)

Yellow (85%)

Blue (51%)

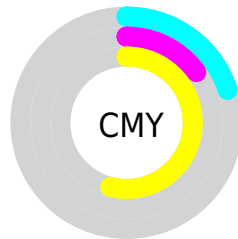


Cyan (6%)

Magenta (0%)

Yellow (46%)

Black (15%)



Cyan (20%)

Magenta (15%)

Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7474, 0.3701, 0.4457 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 63.7474, 0.3701, 0.4457 by changing the saturation by 10% instead.


 63.7474, 0.3701,
0.4457

 63.7474, 0.3701,
0.4457


438.2769, 0.3452,
0.3897

 46.4461, 0.3750,
0.4586

 110.2471, 0.3620,
0.4261

 32.5980, 0.3805,
0.4744

 140.2142, 0.3587,
0.4185

 21.8187, 0.3864,
0.4941


 175.1722, 0.3558,
0.4120

 13.7237, 0.3923,
0.5189

215.5052, 0.3532,
0.4063

 7.9288, 0.3967,
0.5506

261.5979, 0.3509,
0.4014

 4.0494, 0.4009,
0.5991

313.8344, 0.3488,

 1.7012, 0.3708,

0.3970

0.6292

372.5993, 0.3469,
0.3931

0.4245, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.7474, 0.3701,
0.4457

63.7474, 0.3701,
0.4457

62.9039, 0.3801,
0.4684

64.7222, 0.3586,
0.4209

62.1746, 0.3880,
0.4880


65.8270, 0.3462,
0.3951

61.5531, 0.3935,
0.5036

67.0718, 0.3333,
0.3691

61.0284, 0.3963,
0.5147

68.4629, 0.3204,
0.3438

 60.5868, 0.3967,
0.5215


 70.0064, 0.3079,
0.3197

 60.4267, 0.3965,
0.5234

 71.7078, 0.2959,
0.2971

 72.6445, 0.2930,
0.2895

 73.0965, 0.2949,
0.2897

 73.5561, 0.2968,
0.2900

Harmonies

Analogous

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



63.7474, 0.4196, 0.4196



63.7474, 0.3701, 0.4457



63.7474, 0.3080, 0.4348

Triad

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



63.7474, 0.3701, 0.4457



63.7474, 0.1990, 0.2633



63.7474, 0.3726, 0.2808

Complementary

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



63.7474, 0.3701, 0.4457



22.4763, 0.2359, 0.1888

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.



63.7474, 0.3068, 0.2470



63.7474, 0.3701, 0.4457



63.7474, 0.2118, 0.2346

Square

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



63.7474, 0.3701, 0.4457



63.7474, 0.2119, 0.3166



63.7474, 0.2490, 0.2302



63.7474, 0.4240, 0.3259

Rectangle

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



63.7474, 0.3701, 0.4457



63.7474, 0.2680, 0.4039



63.7474, 0.2490, 0.2302



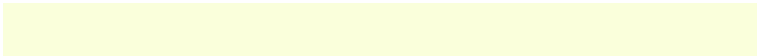
63.7474, 0.3510, 0.2680

Sweetspot

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



63.7503, 0.3701, 0.4457



97.0438, 0.3308, 0.3641



31.6497, 0.4302, 0.3435



20.6821, 0.3336, 0.3697



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.



63.7503, 0.3701, 0.4457



90.7280, 0.3795, 0.4672



57.9087, 0.3320, 0.4620



15.1739, 0.3247, 0.3522



36.6144, 0.3968, 0.5231



2.3964, 0.4007, 0.5200

Inverse Universe

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



22.4763, 0.2359, 0.1888



24.4042, 0.2171, 0.1567



27.2777, 0.2799, 0.2042



12.6976, 0.3001, 0.3050



3.2085, 0.1551, 0.0628



0.2348, 0.1668, 0.0693

Previews

White Background



This preview shows how the Yxy color 63.7474, 0.3701, 0.4457 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 63.7474, 0.3701, 0.4457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

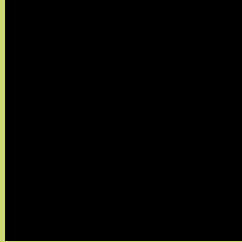
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7474, 0.3701, 0.4457

Background



This preview shows how black text looks on a background with the Yxy color 63.7474, 0.3701, 0.4457.



This preview shows how white text looks on a background with the Yxy color 63.7474, 0.3701, 0.4457.

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

63.7474, 0.3701, 0.4457

Protanopia

63.6388, 0.3971, 0.4322

Deuteranopia

63.2982, 0.4179, 0.4085



Tritanopia

63.4820, 0.3098, 0.3112

Trichromacy



Original Color

63.7474, 0.3701, 0.4457

Protanomaly

63.6969, 0.3875, 0.4372

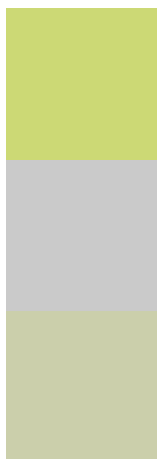
Deuteranomaly

63.3315, 0.3998, 0.4216

Tritanomaly

63.0169, 0.3335, 0.3593

Monochromacy



Original Color

63.7474, 0.3701, 0.4457

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.2624, 0.3354, 0.3723

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7474, 0.3701, 0.4457 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(204, 217, 117)` looks like.

```
.text, #text, p{  
    color:rgb(204, 217, 117)  
}
```

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(204, 217, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 217, 117) }
```

Border

The CSS property to change the border of an element to Yxy 63.7474, 0.3701, 0.4457 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(204, 217, 117) }
```

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

```
.border{ border-color:rgb(204, 217, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 217, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 217, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 217, 117);  
box-shadow:4px 4px 4px 4px rgb(204, 217,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7474, 0.3701, 0.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 217, 117) }
```

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

```
.background{ background-color: rgb(204,  
217, 117) }
```

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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