

Converting Colors

$Yxy(63.6733, 0.3557, 0.4083)$

Have a look what the booklet for
Yxy(63.6733, 0.3557, 0.4083)
contains.

Yxy(63.7550, 0.3557, 0.4078)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(63.7550, 0.3557, 0.4078)

Conversions

Conversions Part 1

Format	Color
Hex	D1D693
RGB	209, 214, 147
RGB Percent	82%, 84%, 58%
CMY	0.1803, 0.1608, 0.4236
CMYK	0.02, 0.00, 0.31, 0.16
HSL	64°, 45%, 71%
HSV	64°, 31%, 84%
XYZ	55.6097, 63.7550, 36.9741
YIQ	204.8670, 18.5270, -21.8970

Conversions

Conversions Part 2

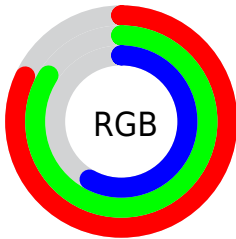
Format	Color
RYB	147, 214, 152
Decimal	13751955
CIELab	83.84, -12.15, 32.60
CIElCh	84, 34.791, 110.433
Yxy	63.7550, 0.3557, 0.4078
Android (android.graphics.Color)	4291942035 (0xFFD1D693)
YUV	204.8670, -28.5284, 3.6246
Hunter-Lab	79.8467, -15.4144, 28.4376

Details

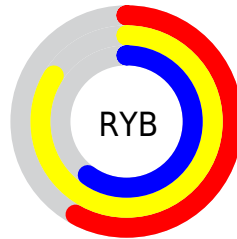
The Yxy color **63.7550, 0.3557, 0.4078** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.3931, 0.2613, 0.2383**, and the grayscale version is **61.1396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **32.5108, 0.3652, 0.4265** is the 20% darker color. If you saturate the color by 10%, you get **62.9162, 0.3687, 0.4325**, and if you desaturate by 10%, it is **64.7269, 0.3420, 0.3823**.

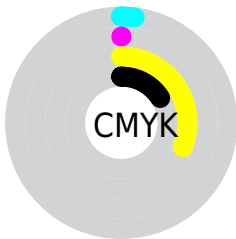
Distribution



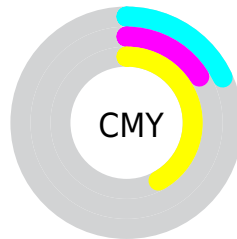
- Red (82%)
- Green (84%)
- Blue (58%)



- Red (58%)
- Yellow (84%)
- Blue (60%)



- Cyan (2%)
- Magenta (0%)
- Yellow (31%)
- Black (16%)




- Cyan (18%)
- Magenta (16%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7550, 0.3557, 0.4078 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 63.7550, 0.3557, 0.4078 by changing the saturation by 10% instead.


 63.7550, 0.3557,
0.4078


 63.7550, 0.3557,
0.4078

438.3044, 0.3361,
0.3699

 46.4523, 0.3600,
0.4167

 110.2580, 0.3490,
0.3944

 32.6029, 0.3651,
0.4278


 140.2271, 0.3464,
0.3893

 21.8224, 0.3713,
0.4420


175.1871, 0.3441,
0.3849

 13.7265, 0.3788,
0.4606

215.5224, 0.3421,
0.3811

 7.9307, 0.3878,
0.4858

261.6173, 0.3404,
0.3777

 4.0506, 0.3995,
0.5237

313.8564, 0.3388,

 1.7019, 0.4138,

0.3748

0.5862

372.6239, 0.3374,
0.3722

0.4249, 0.2017,
0.7983

0.0000, 0.0000,
0.0000

63.7550, 0.3557,
0.4078

63.7550, 0.3557,
0.4078

62.9162, 0.3687,
0.4325

64.7269, 0.3420,
0.3823

62.1948, 0.3805,
0.4554

65.8296, 0.3281,
0.3569

61.5862, 0.3904,
0.4755

67.0719, 0.3145,
0.3322

61.0817, 0.3981,
0.4919

68.4596, 0.3014,
0.3087

60.6717, 0.4032,
0.5041

69.9979, 0.2890,
0.2868

60.3445, 0.4057,
0.5118

70.3079, 0.2895,
0.2859

60.1099, 0.4062,
0.5156

70.5555, 0.2905,
0.2860

70.8055, 0.2916,
0.2862

71.0578, 0.2927,
0.2863

Harmonies

Analogous

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



63.7550, 0.3882, 0.3924



63.7550, 0.3557, 0.4078



63.7550, 0.3130, 0.3994

Triad

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



63.7550, 0.3557, 0.4078



63.7550, 0.2322, 0.2863



63.7550, 0.3520, 0.2942

Complementary

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



63.7550, 0.3557, 0.4078



32.3931, 0.2613, 0.2383

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.



63.7550, 0.3075, 0.2699



63.7550, 0.3557, 0.4078



63.7550, 0.2408, 0.2638

Square

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



63.7550, 0.3557, 0.4078



63.7550, 0.2431, 0.3240



63.7550, 0.2673, 0.2587



63.7550, 0.3870, 0.3271

Rectangle

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



63.7550, 0.3557, 0.4078



63.7550, 0.2847, 0.3800



63.7550, 0.2673, 0.2587



63.7550, 0.3375, 0.2849

Sweetspot

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



63.7579, 0.3557, 0.4078



98.2865, 0.3251, 0.3513



38.6838, 0.3819, 0.3347



20.9816, 0.3271, 0.3550



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.



63.7579, 0.3557, 0.4078



93.9097, 0.3650, 0.4254



59.4340, 0.3297, 0.4149



14.4707, 0.3255, 0.3521



36.3518, 0.4064, 0.5155



2.2069, 0.4088, 0.5136

Inverse Universe

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



32.3931, 0.2613, 0.2383



39.7407, 0.2473, 0.2143



36.0296, 0.2897, 0.2452



12.0524, 0.2993, 0.3050



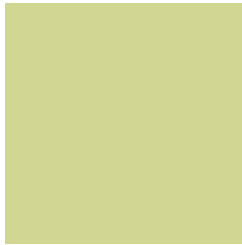
3.0180, 0.1525, 0.0614



0.1978, 0.1603, 0.0657

Previews

White Background



This preview shows how the Yxy color 63.7550, 0.3557, 0.4078 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 63.7550, 0.3557, 0.4078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

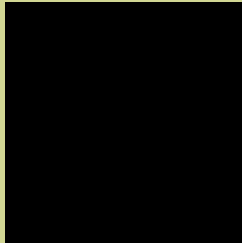
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.7550, 0.3557, 0.4078

Background



This preview shows how black text looks on a background with the Yxy color 63.7550, 0.3557, 0.4078.



This preview shows how white text looks on a background with the Yxy color 63.7550, 0.3557, 0.4078.

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

63.7550, 0.3557, 0.4078

Protanopia

63.8140, 0.3726, 0.4012

Deuteranopia

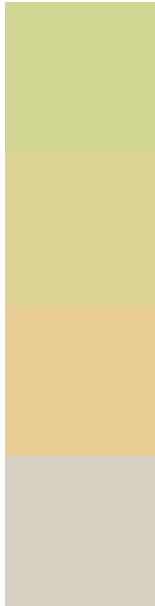
63.4670, 0.3907, 0.3823



Tritanopia

63.7885, 0.3113, 0.3113

Trichromacy



Original Color

63.7550, 0.3557, 0.4078

Protanomaly

63.8795, 0.3663, 0.4034

Deuteranomaly

63.3250, 0.3778, 0.3910

Tritanomaly

63.4539, 0.3280, 0.3451

Monochromacy



Original Color

63.7550, 0.3557, 0.4078

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

61.6943, 0.3282, 0.3574

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7550, 0.3557, 0.4078 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(209, 214, 147)` looks like.

```
.text, #text, p{  
    color:rgb(209, 214, 147)  
}
```

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(209, 214, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 214, 147) }
```

Border

The CSS property to change the border of an element to Yxy 63.7550, 0.3557, 0.4078 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(209, 214, 147) }
```

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

```
.border{ border-color:rgb(209, 214, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 214, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 214, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 214, 147);  
box-shadow:4px 4px 4px 4px rgb(209, 214,  
147) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 63.7550, 0.3557, 0.4078$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 214, 147) }
```

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

```
.background{ background-color: rgb(209,  
214, 147) }
```

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