

Converting Colors

$Yxy(63.7344, 0.3535, 0.4300)$

Have a look what the booklet for
Yxy(63.7344, 0.3535, 0.4300)
contains.

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Color

Yxy(63.7344, 0.3535, 0.4300)

Conversions

Conversions Part 1

Format	Color
Hex	C5DA86
RGB	197, 218, 134
RGB Percent	77%, 85%, 53%
CMY	0.2275, 0.1451, 0.4746
CMYK	0.10, 0.00, 0.39, 0.15
HSL	75°, 53%, 69%
HSV	75°, 39%, 85%
XYZ	52.3956, 63.7344, 32.0895
YIQ	202.1450, 14.4480, -30.5760

Conversions

Conversions Part 2

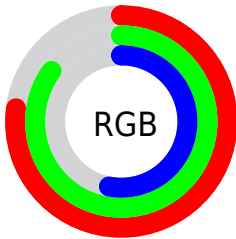
Format	Color
RYB	134, 218, 155
Decimal	12966534
CIELab	83.83, -20.32, 39.02
CIElCh	84, 43.993, 117.505
Yxy	63.7344, 0.3535, 0.4300
Android (android.graphics.Color)	4291156614 (0xFFC5DA86)
YUV	202.1450, -33.5955, -4.5122
Hunter-Lab	79.8338, -22.5582, 32.0518

Details

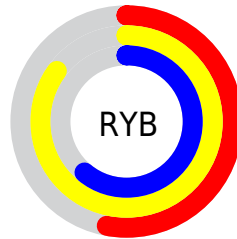
The Yxy color **63.7344, 0.3535, 0.4300** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.0801, 0.2592, 0.2172**, and the grayscale version is **59.3637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **32.5697, 0.3611, 0.4556** is the 20% darker color. If you saturate the color by 10%, you get **62.4670, 0.3625, 0.4562**, and if you desaturate by 10%, it is **65.1595, 0.3434, 0.4030**.

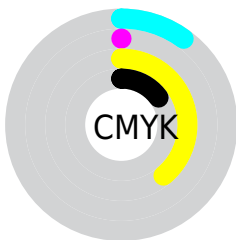
Distribution



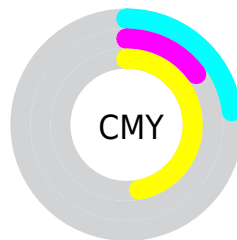
- Red (77%)
- Green (85%)
- Blue (53%)



- Red (53%)
- Yellow (85%)
- Blue (61%)



- Cyan (10%)
- Magenta (0%)
- Yellow (39%)
- Black (15%)



- Cyan (23%)
- Magenta (15%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.7344, 0.3535, 0.4300 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 63.7344, 0.3535, 0.4300 by changing the saturation by 10% instead.

 63.7344, 0.3535,
0.4300


 63.7344, 0.3535,
0.4300


438.2299, 0.3357,
0.3809

 46.4356, 0.3571,
0.4416


 110.2283, 0.3477,
0.4126

 32.5897, 0.3612,
0.4561


 140.1923, 0.3453,
0.4059

 21.8123, 0.3658,
0.4746


 175.1467, 0.3432,
0.4002

 13.7191, 0.3707,
0.4988

215.4760, 0.3414,
0.3953

 7.9255, 0.3747,
0.5312

261.5645, 0.3397,
0.3910

 4.0473, 0.3861,
0.5928

313.7968, 0.3382,

 1.7001, 0.3620,

0.3872

0.6380

372.5571, 0.3369,
0.3839

■ 0.4237, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.7344, 0.3535,
0.4300

■ 63.7344, 0.3535,
0.4300

■ 62.4670, 0.3625,
0.4562

■ 65.1595, 0.3434,
0.4030

■ 61.3408, 0.3698,
0.4805


■ 66.7412, 0.3327,
0.3761

■ 60.3497, 0.3749,
0.5017


■ 68.4892, 0.3219,
0.3501


■ 59.4837, 0.3777,
0.5188


■ 70.4099, 0.3112,
0.3255


 58.7308, 0.3778,
0.5313

 72.5092, 0.3008,
0.3027


 58.0735, 0.3756,
0.5393

 74.1459, 0.2970,
0.2911

 57.9819, 0.3752,
0.5403

 75.0616, 0.3007,
0.2915

 76.0057, 0.3045,
0.2919

 76.9786, 0.3082,
0.2923

Harmonies

Analogous

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



63.7344, 0.3992, 0.4145



63.7344, 0.3535, 0.4300



63.7344, 0.2991, 0.4125

Triad

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



63.7344, 0.3535, 0.4300



63.7344, 0.2135, 0.2661



63.7344, 0.3745, 0.2943

Complementary

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



63.7344, 0.3535, 0.4300



29.0801, 0.2592, 0.2172

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.



63.7344, 0.3189, 0.2618



63.7344, 0.3535, 0.4300



63.7344, 0.2292, 0.2444

Square

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



63.7344, 0.3535, 0.4300



63.7344, 0.2208, 0.3090



63.7344, 0.2661, 0.2438



63.7344, 0.4138, 0.3356

Rectangle

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



63.7344, 0.3535, 0.4300



63.7344, 0.2655, 0.3829



63.7344, 0.2661, 0.2438



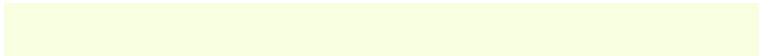
63.7344, 0.3568, 0.2822

Sweetspot

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



63.7372, 0.3535, 0.4300



96.7596, 0.3258, 0.3592



40.0689, 0.3980, 0.3548



20.6397, 0.3272, 0.3626



0.0000, 0.0000, 0.0000



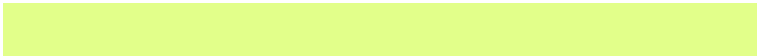
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7372, 0.3535, 0.4300



89.4566, 0.3607, 0.4508



58.8377, 0.3216, 0.4411



15.0913, 0.3229, 0.3524



34.7862, 0.3759, 0.5397



2.2933, 0.3833, 0.5339

Inverse Universe

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



29.0801, 0.2592, 0.2172



33.5332, 0.2454, 0.1912



33.9806, 0.2972, 0.2284



12.7739, 0.3020, 0.3051



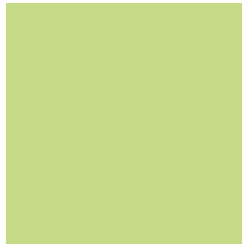
3.5550, 0.1649, 0.0682



0.2710, 0.1816, 0.0774

Previews

White Background



This preview shows how the Yxy color 63.7344, 0.3535, 0.4300 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 63.7344, 0.3535, 0.4300 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 63.7344, 0.3535, 0.4300

Background



This preview shows how black text looks on a background with the Yxy color 63.7344, 0.3535, 0.4300.



This preview shows how white text looks on a background with the Yxy color 63.7344, 0.3535, 0.4300.

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

63.7344, 0.3535, 0.4300

Protanopia

63.7066, 0.3849, 0.4168

Deuteranopia

63.4675, 0.4016, 0.3942



Tritanopia

63.5628, 0.3025, 0.3098

Trichromacy



Original Color

63.7344, 0.3535, 0.4300

Protanomaly

63.4774, 0.3738, 0.4218

Deuteranomaly

63.4207, 0.3833, 0.4066

Tritanomaly

63.3293, 0.3221, 0.3525

Monochromacy



Original Color

63.7344, 0.3535, 0.4300

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

60.5654, 0.3286, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.7344, 0.3535, 0.4300 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(197, 218, 134)` looks like.

```
.text, #text, p{  
    color:rgb(197, 218, 134)  
}
```

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(197, 218, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 218, 134) }
```

Border

The CSS property to change the border of an element to Yxy 63.7344, 0.3535, 0.4300 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(197, 218, 134) }
```

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

```
.border{ border-color:rgb(197, 218, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 218, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 218, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 218, 134);  
box-shadow:4px 4px 4px 4px rgb(197, 218,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 63.7344, 0.3535, 0.4300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 218, 134) }
```

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

```
.background{ background-color: rgb(197,  
218, 134) }
```

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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