

Converting Colors

$Y_{xy}(50.3013, 0.33315, 0.4124)$

Have a look what the booklet for
Yxy(50.3013, 0.3315, 0.4124)
contains.

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Color

Yxy(50.3013, 0.3315, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	A6C689
RGB	166, 198, 137
RGB Percent	65%, 78%, 54%
CMY	0.3490, 0.2235, 0.4628
CMYK	0.16, 0.00, 0.31, 0.22
HSL	91°, 35%, 66%
HSV	91°, 31%, 78%
XYZ	40.4338, 50.3013, 31.2371
YIQ	181.4780, 0.5090, -25.7550

Conversions

Conversions Part 2

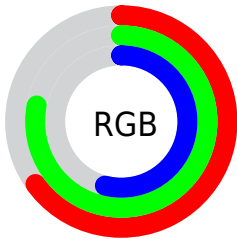
Format	Color
RYB	137, 198, 169
Decimal	10929801
CIELab	76.25, -21.60, 27.15
CIELCh	76, 34.697, 128.506
Yxy	50.3013, 0.3315, 0.4124
Android (android.graphics.Color)	4289119881 (0xFFA6C689)
YUV	181.4780, -21.9277, -13.5742
Hunter-Lab	70.9234, -22.3523, 23.5331

Details

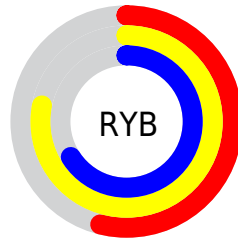
The Yxy color **50.3013, 0.3315, 0.4124** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.3972, 0.2878, 0.2465**, and the grayscale version is **46.6017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8112, 0.3288, 0.3966**, and **24.1291, 0.3352, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **48.7090, 0.3365, 0.4424**, and if you desaturate by 10%, it is **52.0929, 0.3257, 0.3834**.

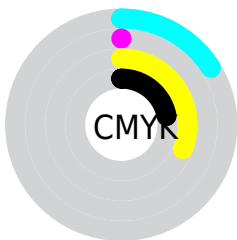
Distribution



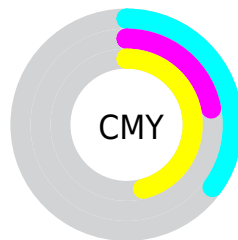
- Red (65%)
- Green (78%)
- Blue (54%)



- Red (54%)
- Yellow (78%)
- Blue (66%)



- Cyan (16%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (35%)
- Magenta (22%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.3013, 0.3315, 0.4124 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 50.3013, 0.3315, 0.4124 by changing the saturation by 10% instead.


 50.3013, 0.3315,
0.4124


 50.3013, 0.3315,
0.4124


387.8430, 0.3232,
0.3698

 35.6529, 0.3331,
0.4233


 90.6211, 0.3288,
0.3967

 24.1662, 0.3350,
0.4373


 117.0613, 0.3277,
0.3909

 15.4570, 0.3370,
0.4560

 148.2009, 0.3267,
0.3860

 9.1407, 0.3387,
0.4822

184.4242, 0.3259,
0.3818

 4.8331, 0.3390,
0.5209

226.1157, 0.3251,
0.3782

 2.1497, 0.3577,
0.6246

273.6597, 0.3244,

 0.6923, 0.1588,

0.3750

0.8412

327.4407, 0.3238,
0.3722

0.0000, 0.0000,
0.0000

50.3013, 0.3315,
0.4124

50.3013, 0.3315,
0.4124

48.7090, 0.3365,
0.4424

52.0929, 0.3257,
0.3834

47.3017, 0.3405,
0.4724

54.0845, 0.3195,
0.3561

46.0729, 0.3428,
0.5010


56.2853, 0.3132,
0.3310


45.0135, 0.3432,
0.5267

58.7018, 0.3070,
0.3081

44.1130, 0.3415,
0.5480


61.3403, 0.3010,
0.2875


 43.3596, 0.3377,
0.5637

 64.1561, 0.2958,
0.2698

 42.7788, 0.3330,
0.5738

 65.9091, 0.3033,
0.2711

 67.7660, 0.3110,
0.2725

 68.8711, 0.3153,
0.2732

Harmonies

Analogous

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



50.3013, 0.3747, 0.4099



50.3013, 0.3315, 0.4124



50.3013, 0.2852, 0.3868

Triad

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



50.3013, 0.3315, 0.4124



50.3013, 0.2294, 0.2661



50.3013, 0.3801, 0.3120

Complementary

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



50.3013, 0.3315, 0.4124



30.3972, 0.2878, 0.2465

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.



50.3013, 0.3362, 0.2799



50.3013, 0.3315, 0.4124



50.3013, 0.2504, 0.2535

Square

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



50.3013, 0.3315, 0.4124



50.3013, 0.2285, 0.2972



50.3013, 0.2885, 0.2590



50.3013, 0.4050, 0.3495

Rectangle

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



50.3013, 0.3315, 0.4124



50.3013, 0.2588, 0.3580



50.3013, 0.2885, 0.2590



50.3013, 0.3669, 0.3004

Sweetspot

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



50.3035, 0.3315, 0.4124



96.3971, 0.3185, 0.3517



42.0065, 0.3693, 0.3702



20.5146, 0.3194, 0.3556



0.0000, 0.0000, 0.0000



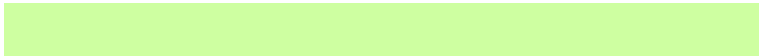
21.4041, 0.3127, 0.3290

Same Dimension

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



50.3035, 0.3315, 0.4124



87.1331, 0.3350, 0.4326



47.5428, 0.3078, 0.4170



12.1310, 0.3186, 0.3524



27.8683, 0.3340, 0.5730



1.3626, 0.3504, 0.5600

Inverse Universe

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



30.3972, 0.2878, 0.2465



46.3094, 0.2809, 0.2268



33.9233, 0.3172, 0.2544



10.5566, 0.3063, 0.3057



4.6110, 0.2081, 0.0920



0.2612, 0.2305, 0.1044

Previews

White Background



This preview shows how the Yxy color 50.3013, 0.3315, 0.4124 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 50.3013, 0.3315, 0.4124 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 50.3013, 0.3315, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 50.3013, 0.3315, 0.4124.



This preview shows how white text looks on a background with the Yxy color 50.3013, 0.3315, 0.4124.

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

50.3013, 0.3315, 0.4124

Protanopia

49.7631, 0.3702, 0.3979

Deuteranopia

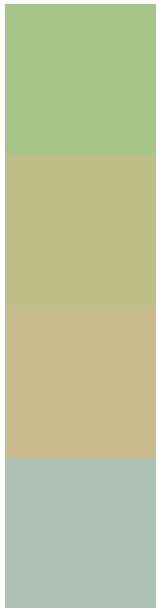
49.9378, 0.3830, 0.3754



Tritanopia

49.9849, 0.2914, 0.3099

Trichromacy



Original Color

50.3013, 0.3315, 0.4124

Protanomaly

49.8017, 0.3554, 0.4030

Deuteranomaly

49.8516, 0.3628, 0.3882

Tritanomaly

49.7652, 0.3056, 0.3448

Monochromacy



Original Color

50.3013, 0.3315, 0.4124

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.4874, 0.3206, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3013, 0.3315, 0.4124 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(166, 198, 137)` looks like.

```
.text, #text, p{  
    color:rgb(166, 198, 137)  
}
```

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(166, 198, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 198, 137) }
```

Border

The CSS property to change the border of an element to Yxy 50.3013, 0.3315, 0.4124 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(166, 198, 137) }
```

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

```
.border{ border-color:rgb(166, 198, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 198, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 198, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 198, 137);  
box-shadow:4px 4px 4px 4px rgb(166, 198,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3013, 0.3315, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 198, 137) }
```

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

```
.background{ background-color: rgb(166,  
198, 137) }
```

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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