

Converting Colors

$Yxy(64.0696, 0.3364, 0.4138)$

Have a look what the booklet for
Yxy(64.0696, 0.3364, 0.4138)
contains.

Yxy(64.2072, 0.3365, 0.4148)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.2072, 0.3365, 0.4148)

Conversions

Conversions Part 1

Format	Color
Hex	BDDC96
RGB	189, 220, 150
RGB Percent	74%, 86%, 59%
CMY	0.2587, 0.1372, 0.4118
CMYK	0.14, 0.00, 0.32, 0.14
HSL	87°, 50%, 73%
HSV	87°, 32%, 86%
XYZ	52.0871, 64.2072, 38.4965
YIQ	202.7510, 3.9940, -28.3420

Conversions

Conversions Part 2

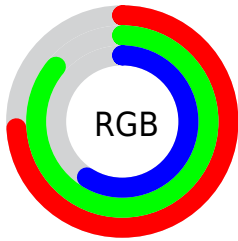
Format	Color
RYB	150, 220, 181
Decimal	12442774
CIELab	84.07, -22.18, 31.12
CIElCh	84, 38.217, 125.485
Yxy	64.2072, 0.3365, 0.4148
Android (android.graphics.Color)	4290632854 (0xFFBDDC96)
YUV	202.7510, -26.0062, -12.0596
Hunter-Lab	80.1294, -24.1948, 27.6060

Details

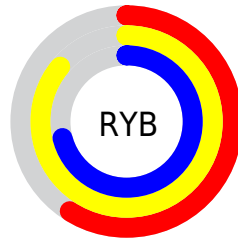
The Yxy color **64.2072, 0.3365, 0.4148** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.7967, 0.2816, 0.2417**, and the grayscale version is **59.7237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5206, 0.3364, 0.3790**, and **32.9430, 0.3413, 0.4383** is the 20% darker color. If you saturate the color by 10%, you get **62.3628, 0.3429, 0.4441**, and if you desaturate by 10%, it is **66.2738, 0.3293, 0.3861**.

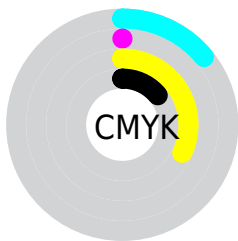
Distribution



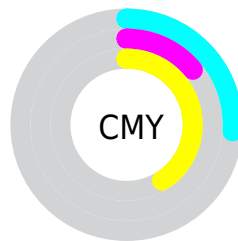
- Red (74%)
- Green (86%)
- Blue (59%)



- Red (59%)
- Yellow (86%)
- Blue (71%)



- Cyan (14%)
- Magenta (0%)
- Yellow (32%)
- Black (14%)



- Cyan (26%)
- Magenta (14%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2072, 0.3365, 0.4148 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 64.2072, 0.3365, 0.4148 by changing the saturation by 10% instead.


 64.2072, 0.3365,
0.4148


 64.2072, 0.3365,
0.4148


439.9375, 0.3263,
0.3728

 46.8185, 0.3385,
0.4249


 110.9093, 0.3332,
0.3998

 32.8922, 0.3408,
0.4377


 140.9915, 0.3318,
0.3941

 22.0439, 0.3434,
0.4542


176.0736, 0.3306,
0.3892

 13.8891, 0.3461,
0.4764

216.5401, 0.3296,
0.3850

 8.0436, 0.3482,
0.5073

262.7754, 0.3286,
0.3814

 4.1229, 0.3485,
0.5539

315.1637, 0.3278,

 1.7425, 0.3512,

0.3782

0.6488

374.0896, 0.3270,
0.3753

0.4510, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.2072, 0.3365,
0.4148

64.2072, 0.3365,
0.4148

62.3628, 0.3429,
0.4441

66.2738, 0.3293,
0.3861

60.7232, 0.3479,
0.4729


68.5627, 0.3218,
0.3588


59.2813, 0.3513,
0.5000

71.0847, 0.3141,
0.3334


58.0261, 0.3525,
0.5238


73.8472, 0.3066,
0.3101

 56.9454, 0.3514,
0.5431

 76.5318, 0.3024,
0.2937

 56.0246, 0.3480,
0.5571

 78.2599, 0.3091,
0.2944

 55.3720, 0.3440,
0.5651

 79.6671, 0.3143,
0.2950

Harmonies

Analogous

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



64.2072, 0.3794, 0.4095



64.2072, 0.3365, 0.4148



64.2072, 0.2892, 0.3915

Triad

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



64.2072, 0.3365, 0.4148



64.2072, 0.2272, 0.2675



64.2072, 0.3773, 0.3081

Complementary

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



64.2072, 0.3365, 0.4148



36.7967, 0.2816, 0.2417

Split Complementary

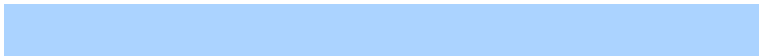
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.2072, 0.3316, 0.2765



64.2072, 0.3365, 0.4148



64.2072, 0.2465, 0.2529

Square

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



64.2072, 0.3365, 0.4148



64.2072, 0.2284, 0.3008



64.2072, 0.2836, 0.2567



64.2072, 0.4051, 0.3458

Rectangle

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



64.2072, 0.3365, 0.4148



64.2072, 0.2616, 0.3632



64.2072, 0.2836, 0.2567



64.2072, 0.3633, 0.2966

Sweetspot

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



64.2100, 0.3365, 0.4148



96.3874, 0.3204, 0.3543



50.1924, 0.3741, 0.3652



20.5280, 0.3215, 0.3580



0.0000, 0.0000, 0.0000



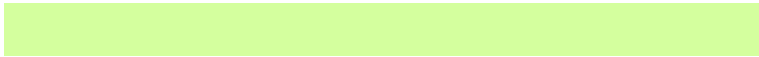
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2100, 0.3365, 0.4148



88.0069, 0.3407, 0.4338



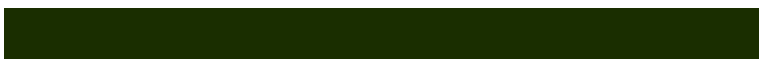
60.3233, 0.3115, 0.4218



14.9623, 0.3199, 0.3526



32.5639, 0.3451, 0.5642



2.1604, 0.3567, 0.5550

Inverse Universe

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



36.7967, 0.2816, 0.2417



44.1226, 0.2736, 0.2220



41.4742, 0.3122, 0.2492



12.8977, 0.3050, 0.3053



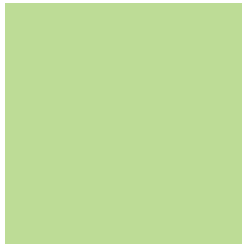
4.5993, 0.1921, 0.0832



0.3485, 0.2105, 0.0933

Previews

White Background



This preview shows how the Yxy color 64.2072, 0.3365, 0.4148 looks on a white background.

Color Contrast Check

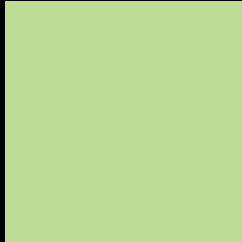
Large Text (above 18pt) WCAG AA × Fail

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 64.2072, 0.3365, 0.4148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

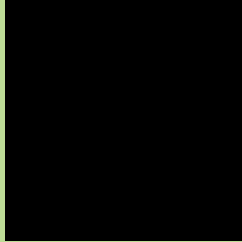
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2072, 0.3365, 0.4148

Background



This preview shows how black text looks on a background with the Yxy color 64.2072, 0.3365, 0.4148.

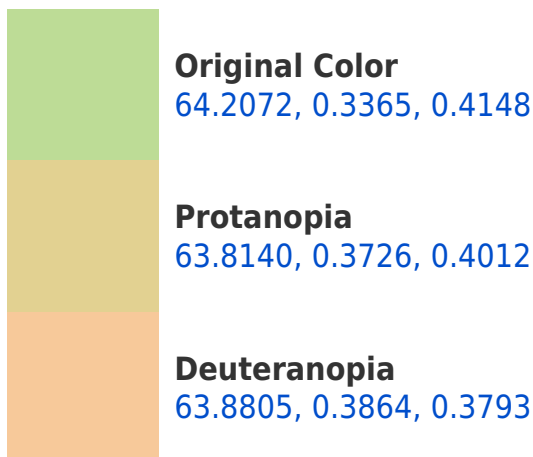


This preview shows how white text looks on a background with the Yxy color 64.2072, 0.3365, 0.4148.

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

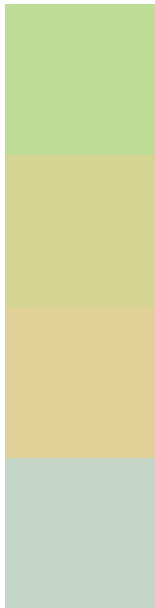




Tritanopia

63.9186, 0.2942, 0.3096

Trichromacy



Original Color

64.2072, 0.3365, 0.4148

Protanomaly

63.8412, 0.3592, 0.4059

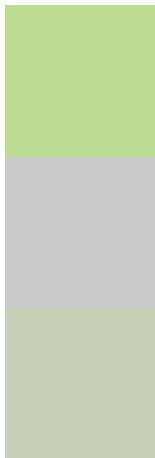
Deuteranomaly

63.5804, 0.3672, 0.3912

Tritanomaly

63.9524, 0.3097, 0.3467

Monochromacy



Original Color

64.2072, 0.3365, 0.4148

Achromatopsia

59.7202, 0.3127, 0.3290

Achromatomaly

61.0674, 0.3219, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2072, 0.3365, 0.4148 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(189, 220, 150)` looks like.

```
.text, #text, p{  
    color:rgb(189, 220, 150)  
}
```

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(189, 220, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 220, 150) }
```

Border

The CSS property to change the border of an element to Yxy 64.2072, 0.3365, 0.4148 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(189, 220, 150) }
```

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

```
.border{ border-color:rgb(189, 220, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 220, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 220, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 220, 150);  
box-shadow:4px 4px 4px 4px rgb(189, 220,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2072, 0.3365, 0.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 220, 150) }
```

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

```
.background{ background-color: rgb(189,  
220, 150) }
```

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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