

Converting Colors

$Yxy(63.6270, 0.3453, 0.4332)$

Have a look what the booklet for
Yxy(63.6270, 0.3453, 0.4332)
contains.

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Color

Yxy(63.6270, 0.3453, 0.4332)

Conversions

Conversions Part 1

Format	Color
Hex	BCDC87
RGB	188, 220, 135
RGB Percent	74%, 86%, 53%
CMY	0.2625, 0.1373, 0.4705
CMYK	0.15, 0.00, 0.39, 0.14
HSL	83°, 55%, 70%
HSV	83°, 39%, 86%
XYZ	50.7165, 63.6270, 32.5332
YIQ	200.7420, 8.2130, -33.2190

Conversions

Conversions Part 2

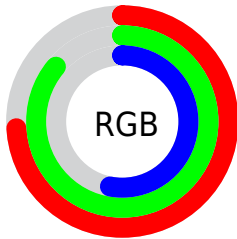
Format	Color
RYB	135, 220, 167
Decimal	12377223
CIELab	83.77, -24.50, 38.31
CIELCh	84, 45.478, 122.600
Yxy	63.6270, 0.3453, 0.4332
Android (android.graphics.Color)	4290567303 (0xFFBCDC87)
YUV	200.7420, -32.4108, -11.1747
Hunter-Lab	79.7665, -26.0990, 31.6548

Details

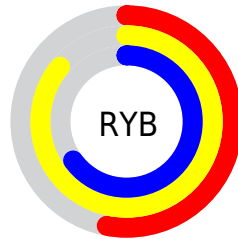
The Yxy color **63.6270, 0.3453, 0.4332** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.7073, 0.2682, 0.2195**, and the grayscale version is **58.4490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6066, 0.3452, 0.3954**, and **32.5369, 0.3501, 0.4607** is the 20% darker color. If you saturate the color by 10%, you get **62.0523, 0.3520, 0.4613**, and if you desaturate by 10%, it is **65.3955, 0.3375, 0.4047**.

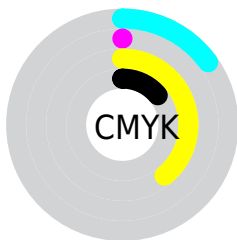
Distribution



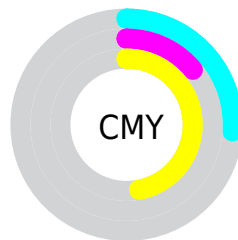
- Red (74%)
- Green (86%)
- Blue (53%)



- Red (53%)
- Yellow (86%)
- Blue (65%)



- Cyan (15%)
- Magenta (0%)
- Yellow (39%)
- Black (14%)





- Cyan (26%)
- Magenta (14%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6270, 0.3453, 0.4332 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 63.6270, 0.3453, 0.4332 by changing the saturation by 10% instead.


 63.6270, 0.3453,
0.4332


 63.6270, 0.3453,
0.4332


437.8414, 0.3315,
0.3821


 46.3486, 0.3479,
0.4454


 110.0736, 0.3409,
0.4150

 32.5210, 0.3508,
0.4608


 140.0106, 0.3391,
0.4080

 21.7598, 0.3539,
0.4805


 174.9359, 0.3374,
0.4021

 13.6805, 0.3567,
0.5065

215.2340, 0.3360,
0.3970

 7.8988, 0.3580,
0.5419

261.2892, 0.3347,
0.3926

 4.0302, 0.3638,
0.6080

313.4859, 0.3335,

 1.6905, 0.3348,

0.3887

0.6652

372.2085, 0.3325,
0.3852

0.4175, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.6270, 0.3453,
0.4332

63.6270, 0.3453,
0.4332

62.0523, 0.3520,
0.4613

65.3955, 0.3375,
0.4047

60.6540, 0.3571,
0.4879


67.3576, 0.3290,
0.3769


59.4252, 0.3601,
0.5116


69.5238, 0.3202,
0.3504


58.3546, 0.3607,
0.5313


71.9012, 0.3115,
0.3257


 57.4294, 0.3589,
0.5459

 74.4968, 0.3031,
0.3030

 56.6306, 0.3549,
0.5557

 76.5193, 0.3024,
0.2937

 56.5274, 0.3543,
0.5569

 77.9805, 0.3080,
0.2943

 79.5082, 0.3138,
0.2949

 79.6614, 0.3143,
0.2950

Harmonies

Analogous

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



63.6270, 0.3952, 0.4218



63.6270, 0.3453, 0.4332



63.6270, 0.2892, 0.4090

Triad

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



63.6270, 0.3453, 0.4332



63.6270, 0.2116, 0.2585



63.6270, 0.3852, 0.2999

Complementary

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



63.6270, 0.3453, 0.4332



30.7073, 0.2682, 0.2195

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.



63.6270, 0.3291, 0.2645



63.6270, 0.3453, 0.4332



63.6270, 0.2316, 0.2402

Square

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



63.6270, 0.3453, 0.4332



63.6270, 0.2150, 0.2992



63.6270, 0.2729, 0.2431



63.6270, 0.4213, 0.3431

Rectangle

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



63.6270, 0.3453, 0.4332



63.6270, 0.2560, 0.3755



63.6270, 0.2729, 0.2431



63.6270, 0.3678, 0.2869

Sweetspot

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



63.6298, 0.3453, 0.4332



96.0676, 0.3233, 0.3594



44.2982, 0.3936, 0.3666



20.4764, 0.3244, 0.3629



0.0000, 0.0000, 0.0000



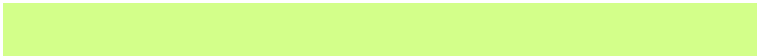
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6298, 0.3453, 0.4332



87.1838, 0.3506, 0.4551



59.0734, 0.3147, 0.4439



15.0068, 0.3209, 0.3525



33.2441, 0.3552, 0.5561



2.2024, 0.3657, 0.5479

Inverse Universe

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



30.7073, 0.2682, 0.2195



35.2290, 0.2567, 0.1951



36.0037, 0.3064, 0.2309



12.8543, 0.3039, 0.3052



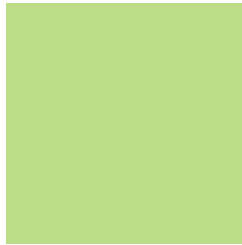
4.1618, 0.1811, 0.0771



0.3179, 0.1995, 0.0873

Previews

White Background



This preview shows how the Yxy color 63.6270, 0.3453, 0.4332 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 63.6270, 0.3453, 0.4332 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 63.6270, 0.3453, 0.4332

Background



This preview shows how black text looks on a background with the Yxy color 63.6270, 0.3453, 0.4332.



This preview shows how white text looks on a background with the Yxy color 63.6270, 0.3453, 0.4332.

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

63.6270, 0.3453, 0.4332

Protanopia

63.0543, 0.3845, 0.4161

Deuteranopia

63.0643, 0.4006, 0.3912



Tritanopia

63.3713, 0.2948, 0.3095

Trichromacy



Original Color

63.6270, 0.3453, 0.4332

Protanomaly

62.8990, 0.3698, 0.4218

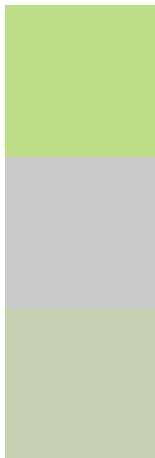
Deuteranomaly

62.7915, 0.3793, 0.4066

Tritanomaly

63.1745, 0.3138, 0.3528

Monochromacy



Original Color

63.6270, 0.3453, 0.4332

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.0218, 0.3254, 0.3668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6270, 0.3453, 0.4332 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(188, 220, 135)` looks like.

```
.text, #text, p{  
    color:rgb(188, 220, 135)  
}
```

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(188, 220, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 220, 135) }
```

Border

The CSS property to change the border of an element to Yxy 63.6270, 0.3453, 0.4332 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(188, 220, 135) }
```

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

```
.border{ border-color:rgb(188, 220, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 220, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 220, 135); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 220, 135); box-shadow:4px 4px 4px 4px rgb(188, 220, 135) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6270, 0.3453, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 220, 135) }
```

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

```
.background{ background-color: rgb(188,  
220, 135) }
```

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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