

Converting Colors

$Yxy(65.0882, 0.3129, 0.3648)$

Have a look what the booklet for
Yxy(65.0882, 0.3129, 0.3648)
contains.

Yxy(64.8933, 0.3125, 0.3638)	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(64.8933, 0.3125, 0.3638)

Conversions

Conversions Part 1

Format	Color
Hex	BFDABD
RGB	191, 218, 189
RGB Percent	75%, 85%, 74%
CMY	0.2510, 0.1451, 0.2588
CMYK	0.12, 0.00, 0.13, 0.15
HSL	116°, 28%, 80%
HSV	116°, 13%, 85%
XYZ	55.7426, 64.8933, 57.7404
YIQ	206.6210, -6.7830, -14.7430

Conversions

Conversions Part 2

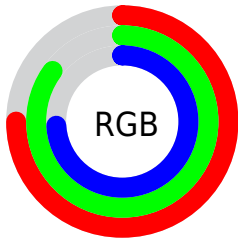
Format	Color
R _{YB}	189, 218, 216
Decimal	12573373
CIE Lab	84.43, -14.36, 11.27
CIE LCh	84, 18.253, 141.875
Yxy	64.8933, 0.3125, 0.3638
Android (android.graphics.Color)	4290763453 (0xFFBFDABD)
YUV	206.6210, -8.6872, -13.6996
Hunter-Lab	80.5564, -17.4570, 13.8922

Details

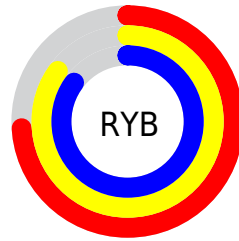
The Yxy color **64.8933, 0.3125, 0.3638** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **56.0678, 0.3127, 0.2962**, and the grayscale version is **62.2020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0690, 0.3141, 0.3387**, and **33.2903, 0.3116, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **61.5658, 0.3121, 0.3938**, and if you desaturate by 10%, it is **68.7340, 0.3127, 0.3371**.

Distribution



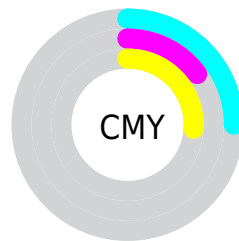
- Red (75%)
- Green (85%)
- Blue (74%)



- Red (74%)
- Yellow (85%)
- Blue (85%)



- Cyan (12%)
- Magenta (0%)
- Yellow (13%)
- Black (15%)





- Cyan (25%)
- Magenta (15%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8933, 0.3125, 0.3638 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 64.8933, 0.3125, 0.3638 by changing the saturation by 10% instead.


 64.8933, 0.3125,
0.3638

 64.8933, 0.3125,
0.3638

442.4084, 0.3128,
0.3470

 47.3746, 0.3124,
0.3678


 111.8964, 0.3126,
0.3578

 33.3319, 0.3122,
0.3729


142.1496, 0.3127,
0.3555

 22.3808, 0.3119,
0.3795


177.4164, 0.3127,
0.3536

 14.1370, 0.3115,
0.3885

218.0813, 0.3127,
0.3519

 8.2160, 0.3107,
0.4012

264.5285, 0.3128,
0.3504

 4.2335, 0.3091,
0.4209


317.1425, 0.3128,

 1.8050, 0.3053,


0.3491

0.4549


376.3077, 0.3128,
0.3480

 0.4903, 0.1906,
0.8094


 0.0000, 0.0000,
0.0000


 64.8933, 0.3125,
0.3638


 64.8933, 0.3125,
0.3638


 61.5658, 0.3121,
0.3938


 68.7340, 0.3127,
0.3371

 58.7217, 0.3115,
0.4267

 73.0994, 0.3127,
0.3137

 56.3412, 0.3105,
0.4616

 78.0114, 0.3126,
0.2933

 54.3996, 0.3092,
0.4968

 78.6256, 0.3144,
0.2930

■ 52.8700, 0.3076,
0.5301

■ 51.7226, 0.3058,
0.5589

■ 50.9235, 0.3039,
0.5806

■ 50.4328, 0.3021,
0.5940

■ 50.2461, 0.3012,
0.5990

Harmonies

Analogous

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



64.8933, 0.3350, 0.3696



64.8933, 0.3125, 0.3638



64.8933, 0.2907, 0.3476

Triad

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



64.8933, 0.3125, 0.3638



64.8933, 0.2746, 0.2941



64.8933, 0.3517, 0.3298

Complementary

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



64.8933, 0.3125, 0.3638



56.0678, 0.3127, 0.2962

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.



64.8933, 0.3345, 0.3113



64.8933, 0.3125, 0.3638



64.8933, 0.2898, 0.2910

Square

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



64.8933, 0.3125, 0.3638



64.8933, 0.2693, 0.3067



64.8933, 0.3116, 0.2973



64.8933, 0.3582, 0.3489

Rectangle

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



64.8933, 0.3125, 0.3638



64.8933, 0.2793, 0.3335



64.8933, 0.3116, 0.2973



64.8933, 0.3470, 0.3234

Sweetspot

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



64.8961, 0.3125, 0.3638



97.6021, 0.3127, 0.3389



67.4828, 0.3329, 0.3591



20.7973, 0.3127, 0.3409



0.0000, 0.0000, 0.0000



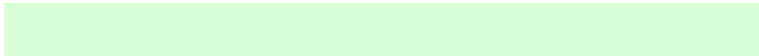
21.4041, 0.3127, 0.3290

Same Dimension

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



64.8961, 0.3125, 0.3638



91.1344, 0.3124, 0.3720



65.1881, 0.3032, 0.3491



14.6484, 0.3126, 0.3531



30.1177, 0.3016, 0.5987



1.9664, 0.3063, 0.5950

Inverse Universe

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



56.0678, 0.3127, 0.2962



76.1504, 0.3126, 0.2890



55.7614, 0.3235, 0.3097



13.2273, 0.3127, 0.3059



10.6692, 0.3039, 0.1448



0.7051, 0.3069, 0.1464

Previews

White Background



This preview shows how the Yxy color 64.8933, 0.3125, 0.3638 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 64.8933, 0.3125, 0.3638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

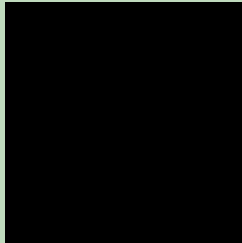
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

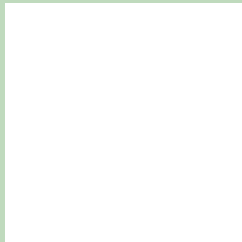
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8933, 0.3125, 0.3638

Background



This preview shows how black text looks on a background with the Yxy color 64.8933, 0.3125, 0.3638.

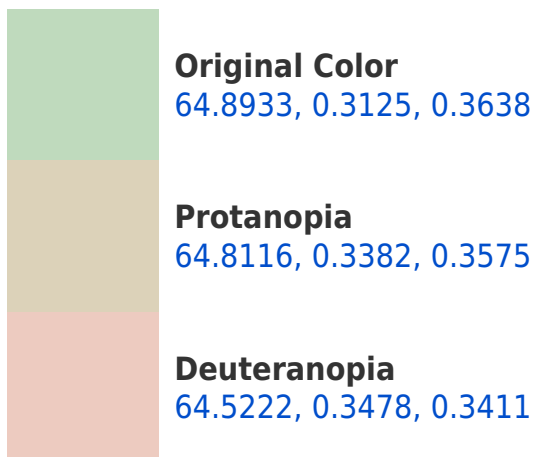


This preview shows how white text looks on a background with the Yxy color 64.8933, 0.3125, 0.3638.

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

64.7499, 0.2916, 0.3096

Trichromacy



Original Color

64.8933, 0.3125, 0.3638

Protanomaly

64.6890, 0.3285, 0.3604

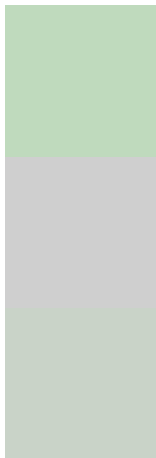
Deuteranomaly

64.0890, 0.3341, 0.3483

Tritanomaly

64.5503, 0.2991, 0.3290

Monochromacy



Original Color

64.8933, 0.3125, 0.3638

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1762, 0.3129, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8933, 0.3125, 0.3638 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(191, 218, 189)` looks like.

```
.text, #text, p{  
    color:rgb(191, 218, 189)  
}
```

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(191, 218, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 218, 189) }
```

Border

The CSS property to change the border of an element to Yxy 64.8933, 0.3125, 0.3638 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(191, 218, 189) }
```

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

```
.border{ border-color:rgb(191, 218, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 218, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 218, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 218, 189); box-shadow:4px 4px 4px 4px rgb(191, 218, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8933, 0.3125, 0.3638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 218, 189) }
```

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

```
.background{ background-color: rgb(191,  
218, 189) }
```

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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