

Converting Colors

Yxy(63.9047, 0.3224, 0.3585)

Have a look what the booklet for
Yxy(63.9047, 0.3224, 0.3585)
contains.

Yxy(63.9158, 0.3225, 0.3585)	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(63.9158, 0.3225, 0.3585)

Conversions

Conversions Part 1

Format	Color
Hex	CBD5BC
RGB	203, 213, 188
RGB Percent	80%, 84%, 74%
CMY	0.2039, 0.1647, 0.2628
CMYK	0.05, 0.00, 0.12, 0.16
HSL	84°, 23%, 79%
HSV	84°, 12%, 84%
XYZ	57.4975, 63.9158, 56.8735
YIQ	207.1600, 2.0650, -9.8950

Conversions

Conversions Part 2

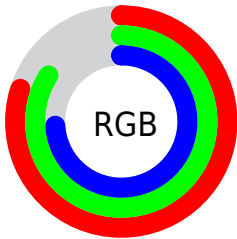
Format	Color
R _{YB}	188, 213, 198
Decimal	13358524
CIE Lab	83.92, -7.83, 11.21
CIE LCh	84, 13.672, 124.927
Yxy	63.9158, 0.3225, 0.3585
Android (android.graphics.Color)	4291548604 (0xFFCBD5BC)
YUV	207.1600, -9.4459, -3.6483
Hunter-Lab	79.9474, -11.5322, 13.7850

Details

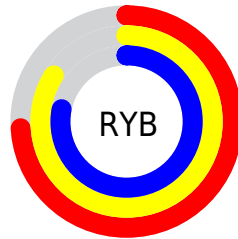
The Yxy color **63.9158, 0.3225, 0.3585** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **52.7692, 0.3021, 0.2992**, and the grayscale version is **62.5667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **32.5926, 0.3248, 0.3651** is the 20% darker color. If you saturate the color by 10%, you get **61.9030, 0.3308, 0.3855**, and if you desaturate by 10%, it is **66.1355, 0.3142, 0.3332**.

Distribution



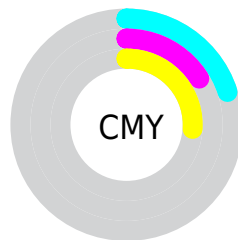
- Red (80%)
- Green (84%)
- Blue (74%)



- Red (74%)
- Yellow (84%)
- Blue (78%)



- Cyan (5%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)





- Cyan (20%)
- Magenta (16%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.9158, 0.3225, 0.3585 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 63.9158, 0.3225, 0.3585 by changing the saturation by 10% instead.


 63.9158, 0.3225,
0.3585

 63.9158, 0.3225,
0.3585


438.8855, 0.3180,
0.3443

 46.5825, 0.3235,
0.3619

 110.4897, 0.3209,
0.3535

 32.7057, 0.3248,
0.3661

140.4990, 0.3203,
0.3515

 21.9011, 0.3264,
0.3716


175.5025, 0.3198,
0.3499

 13.7842, 0.3285,
0.3791

215.8845, 0.3193,
0.3485

 7.9708, 0.3313,
0.3896

262.0294, 0.3189,
0.3472

 4.0762, 0.3353,
0.4056

314.3216, 0.3186,

 1.7163, 0.3412,

0.3462

0.4331

373.1455, 0.3183,
0.3452

0.4342, 0.3379,
0.6621

0.0000, 0.0000,
0.0000

63.9158, 0.3225,
0.3585

63.9158, 0.3225,
0.3585

61.9030, 0.3308,
0.3855

66.1355, 0.3142,
0.3332

60.0818, 0.3387,
0.4138

68.5604, 0.3060,
0.3099

58.4475, 0.3458,
0.4425

71.1995, 0.2982,
0.2887

56.9923, 0.3516,
0.4706

72.8314, 0.3021,
0.2865

■ 55.7073, 0.3557,
0.4969

■ 74.3340, 0.3080,
0.2872

■ 54.5830, 0.3576,
0.5199

■ 75.9073, 0.3140,
0.2880

■ 53.6085, 0.3571,
0.5386

■ 76.0724, 0.3146,
0.2881

■ 52.7708, 0.3543,
0.5520

■ 52.1653, 0.3506,
0.5598

Harmonies

Analogous

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



63.9158, 0.3375, 0.3580



63.9158, 0.3225, 0.3585



63.9158, 0.3052, 0.3505

Triad

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



63.9158, 0.3225, 0.3585



63.9158, 0.2805, 0.3074



63.9158, 0.3355, 0.3215

Complementary

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



63.9158, 0.3225, 0.3585



52.7692, 0.3021, 0.2992

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.



63.9158, 0.3197, 0.3089



63.9158, 0.3225, 0.3585



63.9158, 0.2881, 0.3006

Square

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



63.9158, 0.3225, 0.3585



63.9158, 0.2813, 0.3203



63.9158, 0.3023, 0.3013



63.9158, 0.3452, 0.3363

Rectangle

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



63.9158, 0.3225, 0.3585



63.9158, 0.2947, 0.3414



63.9158, 0.3023, 0.3013



63.9158, 0.3307, 0.3169

Sweetspot

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



63.9186, 0.3225, 0.3585



98.5946, 0.3161, 0.3388



58.1626, 0.3323, 0.3408



21.0479, 0.3167, 0.3407



0.0000, 0.0000, 0.0000



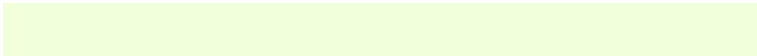
21.4041, 0.3127, 0.3290

Same Dimension

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



63.9186, 0.3225, 0.3585



95.3014, 0.3245, 0.3648



62.2324, 0.3131, 0.3593



14.2606, 0.3206, 0.3525



31.9231, 0.3515, 0.5591



1.9730, 0.3631, 0.5499

Inverse Universe

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



52.7692, 0.3021, 0.2992



75.4616, 0.2996, 0.2927



54.5400, 0.3120, 0.3001



12.2487, 0.3043, 0.3053



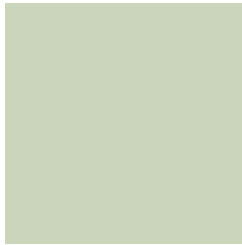
4.1762, 0.1850, 0.0793



0.2994, 0.2047, 0.0902

Previews

White Background



This preview shows how the Yxy color 63.9158, 0.3225, 0.3585 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 63.9158, 0.3225, 0.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

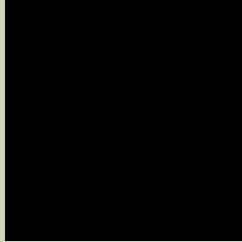
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

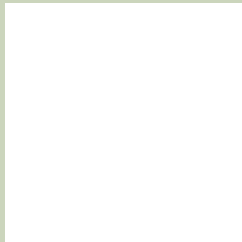
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.9158, 0.3225, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 63.9158, 0.3225, 0.3585.



This preview shows how white text looks on a background with the Yxy color 63.9158, 0.3225, 0.3585.

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

63.9158, 0.3225, 0.3585

Protanopia

63.5623, 0.3362, 0.3542

Deuteranopia

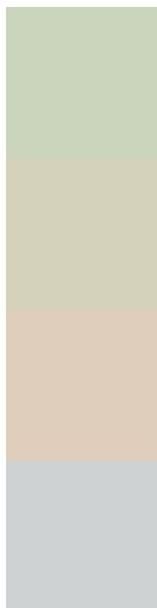
63.7916, 0.3487, 0.3422



Tritanopia

63.9035, 0.3018, 0.3109

Trichromacy



Original Color

63.9158, 0.3225, 0.3585

Protanomaly

63.8272, 0.3313, 0.3556

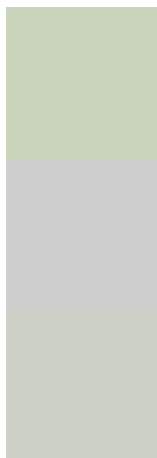
Deuteranomaly

63.6640, 0.3391, 0.3482

Tritanomaly

63.9181, 0.3091, 0.3278

Monochromacy



Original Color

63.9158, 0.3225, 0.3585

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.8929, 0.3167, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.9158, 0.3225, 0.3585 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(203, 213, 188)` looks like.

```
.text, #text, p{  
    color:rgb(203, 213, 188)  
}
```

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(203, 213, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 213, 188) }
```

Border

The CSS property to change the border of an element to Yxy 63.9158, 0.3225, 0.3585 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(203, 213, 188) }
```

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

```
.border{ border-color:rgb(203, 213, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 213, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 213, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 213, 188); box-shadow:4px 4px 4px 4px rgb(203, 213, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 63.9158, 0.3225, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 213, 188) }
```

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

```
.background{ background-color: rgb(203,  
213, 188) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor