

Converting Colors

$Y_{xy}(35.8148, 0.4171, 0.4255)$

Have a look what the booklet for
Yxy(35.8148, 0.4171, 0.4255)
contains.

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Color

Yxy(35.8148, 0.4171, 0.4255)

Conversions

Conversions Part 1

Format	Color
Hex	BF9D53
RGB	191, 157, 83
RGB Percent	75%, 62%, 33%
CMY	0.2509, 0.3843, 0.6745
CMYK	0.00, 0.18, 0.57, 0.25
HSL	41°, 46%, 54%
HSV	41°, 57%, 75%
XYZ	35.1078, 35.8148, 13.2485
YIQ	158.7300, 44.0180, -15.8060

Conversions

Conversions Part 2

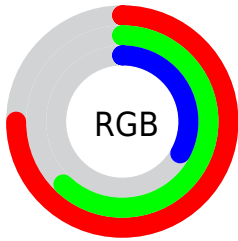
Format	Color
RYB	133, 191, 83
Decimal	12557651
CIELab	66.38, 3.67, 42.93
CIELCh	66, 43.082, 85.111
Yxy	35.8148, 0.4171, 0.4255
Android (android.graphics.Color)	4290747731 (0xFFBF9D53)
YUV	158.7300, -37.3349, 28.3008
Hunter-Lab	59.8455, -0.0143, 28.7663

Details

The Yxy color **35.8148, 0.4171, 0.4255** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.3322, 0.2161, 0.2049**, and the grayscale version is **34.7018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.6338, 0.3991, 0.4087**, and **15.5745, 0.4446, 0.4486** is the 20% darker color. If you saturate the color by 10%, you get **33.5749, 0.4370, 0.4383**, and if you desaturate by 10%, it is **38.2397, 0.3967, 0.4100**.

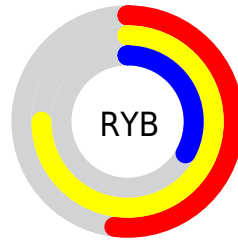
Distribution



Red (75%)

Green (62%)

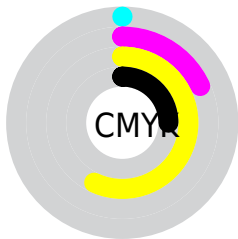
Blue (33%)



Red (52%)

Yellow (75%)

Blue (33%)

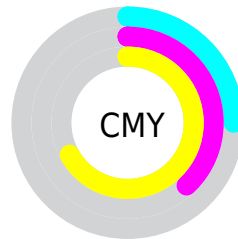


Cyan (0%)

Magenta (18%)

Yellow (57%)

Black (25%)



Cyan (25%)


Magenta (38%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8148, 0.4171, 0.4255 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 35.8148, 0.4171, 0.4255 by changing the saturation by 10% instead.


 35.8148, 0.4171,
0.4255


 35.8148, 0.4171,
0.4255


328.1503, 0.3645,
0.3779

 24.2912, 0.4295,
0.4363


 68.7461, 0.3983,
0.4088


 15.5498, 0.4447,
0.4492


 90.9226, 0.3911,
0.4023


 9.2061, 0.4630,
0.4641


 117.4189, 0.3850,
0.3967

 4.8759, 0.4932,
0.4889

 148.6193, 0.3797,
0.3919

 2.1746, 0.5068,
0.4932

 184.9083, 0.3751,
0.3877

 0.7061, 0.5186,
0.4814

226.6702, 0.3711,

 0.0000, 0.0000,

0.3840

0.0000

274.2894, 0.3676,
0.3808

■ 35.8148, 0.4171,
0.4255

■ 35.8148, 0.4171,
0.4255

■ 33.5749, 0.4370,
0.4383

■ 38.2397, 0.3967,
0.4100

■ 31.5065, 0.4554,
0.4473

■ 40.8519, 0.3765,
0.3929

■ 29.6019, 0.4714,
0.4516

■ 43.6601, 0.3572,
0.3750

■ 27.8492, 0.4843,
0.4511

■ 46.6705, 0.3392,
0.3572

■ 27.2709, 0.4885,
0.4503

■ 49.8892, 0.3227,
0.3399

■ 53.3218, 0.3077,
0.3234

■ 56.9738, 0.2942,
0.3080

■ 60.8503, 0.2822,
0.2937

■ 64.9563, 0.2714,
0.2805

Harmonies

Analogous

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



35.8148, 0.4430, 0.3811



35.8148, 0.4171, 0.4255



35.8148, 0.3643, 0.4491

Triad

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



35.8148, 0.4171, 0.4255



35.8148, 0.2071, 0.3090



35.8148, 0.3141, 0.2486

Complementary

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



35.8148, 0.4171, 0.4255



18.3322, 0.2161, 0.2049

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.



35.8148, 0.2534, 0.2294



35.8148, 0.4171, 0.4255



35.8148, 0.1971, 0.2573

Square

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



35.8148, 0.4171, 0.4255



35.8148, 0.2435, 0.3770



35.8148, 0.2130, 0.2312



35.8148, 0.3809, 0.2846

Rectangle

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



35.8148, 0.4171, 0.4255



35.8148, 0.3220, 0.4436



35.8148, 0.2130, 0.2312



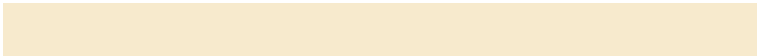
35.8148, 0.2922, 0.2401

Sweetspot

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



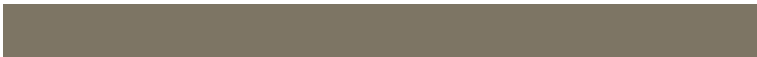
35.8165, 0.4171, 0.4255



83.1656, 0.3405, 0.3585



18.5566, 0.4254, 0.2838



18.0164, 0.3441, 0.3621



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



35.8165, 0.4171, 0.4255



59.1532, 0.4419, 0.4410



46.5761, 0.3747, 0.4712



10.5997, 0.3272, 0.3447



18.0680, 0.4874, 0.4512



0.8201, 0.4674, 0.4671

Inverse Universe

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



18.3322, 0.2161, 0.2049



24.9441, 0.1957, 0.1722



12.8235, 0.2212, 0.1569



9.7027, 0.2984, 0.3128



4.7361, 0.1626, 0.1053



0.3061, 0.1767, 0.1560

Previews

White Background



This preview shows how the Yxy color 35.8148, 0.4171, 0.4255 looks on a white background.

Color Contrast Check

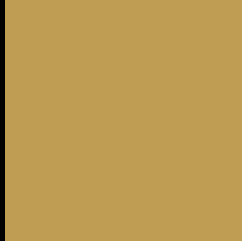
Large Text (above 18pt) WCAG AA × Fail

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 35.8148, 0.4171, 0.4255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

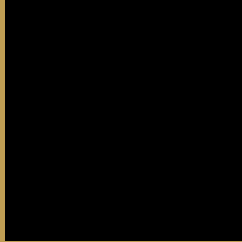
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8148, 0.4171, 0.4255

Background



This preview shows how black text looks on a background with the Yxy color 35.8148, 0.4171, 0.4255.



This preview shows how white text looks on a background with the Yxy color 35.8148, 0.4171, 0.4255.

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

35.8148, 0.4171, 0.4255

Protanopia

35.9615, 0.3982, 0.4349

Deuteranopia

35.7571, 0.4259, 0.4179



Tritanopia

35.7236, 0.3529, 0.3134

Trichromacy



Original Color

35.8148, 0.4171, 0.4255

Protanomaly

35.8490, 0.4056, 0.4315

Deuteranomaly

35.6849, 0.4220, 0.4203

Tritanomaly

35.4013, 0.3781, 0.3547

Monochromacy



Original Color

35.8148, 0.4171, 0.4255

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.7503, 0.3512, 0.3685

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8148, 0.4171, 0.4255 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, 157, 83)` looks like.

```
.text, #text, p{  
    color:rgb(191, 157, 83)  
}
```

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, 157, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 157, 83) }
```

Border

The CSS property to change the border of an element to Yxy 35.8148, 0.4171, 0.4255 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, 157, 83) }
```

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

```
.border{ border-color:rgb(191, 157, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 157, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 157, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 157, 83);  
box-shadow:4px 4px 4px 4px rgb(191, 157,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8148, 0.4171, 0.4255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 157, 83) }
```

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

```
.background{ background-color: rgb(191,  
157, 83) }
```

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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