

Converting Colors

$Y_{xy}(30.7049, 0.4247, 0.3595)$

Have a look what the booklet for
Yxy(30.7049, 0.4247, 0.3595)
contains.

Yxy(30.5858, 0.4246, 0.3588)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.5858, 0.4246, 0.3588)

Conversions

Conversions Part 1

Format	Color
Hex	CD846D
RGB	205, 132, 109
RGB Percent	80%, 52%, 43%
CMY	0.1960, 0.4824, 0.5725
CMYK	0.00, 0.36, 0.47, 0.20
HSL	14°, 49%, 62%
HSV	14°, 47%, 80%
XYZ	36.1949, 30.5858, 18.4640
YIQ	151.2050, 50.8910, 8.3230

Conversions

Conversions Part 2

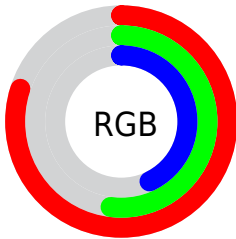
Format	Color
R _Y B	205, 139, 109
Decimal	13468781
CIE Lab	62.16, 25.53, 24.05
CIE LCh	62, 35.078, 43.287
Yxy	30.5858, 0.4246, 0.3588
Android (android.graphics.Color)	4291658861 (0xFFCD846D)
YUV	151.2050, -20.8071, 47.1782
Hunter-Lab	55.3044, 20.0395, 18.9185

Details

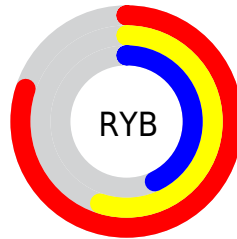
The Yxy color **30.5858, 0.4246, 0.3588** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **41.1344, 0.2449, 0.2957**, and the grayscale version is **31.1151, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9510, 0.3933, 0.3555**, and **12.6674, 0.4625, 0.3645** is the 20% darker color. If you saturate the color by 10%, you get **26.2783, 0.4607, 0.3640**, and if you desaturate by 10%, it is **35.6316, 0.3929, 0.3526**.

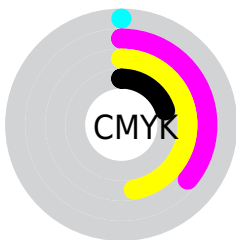
Distribution



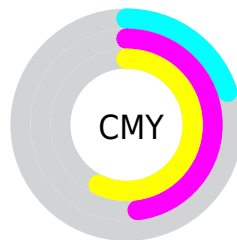
- Red (80%)
- Green (52%)
- Blue (43%)



- Red (80%)
- Yellow (55%)
- Blue (43%)



- Cyan (0%)
- Magenta (36%)
- Yellow (47%)
- Black (20%)





- Cyan (20%)
- Magenta (48%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5858, 0.4246, 0.3588 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 30.5858, 0.4246, 0.3588 by changing the saturation by 10% instead.


 30.5858, 0.4246,
0.3588

 30.5858, 0.4246,
0.3588


304.6255, 0.3643,
0.3455

 20.2837, 0.4409,
0.3612


 60.5874, 0.4017,
0.3545


 12.6014, 0.4624,
0.3637


 81.0556, 0.3934,
0.3527

 7.1546, 0.4919,
0.3654


 105.6812, 0.3865,
0.3512

 3.5590, 0.5342,
0.3645

 134.8488, 0.3807,
0.3498

 1.4301, 0.6276,
0.3724

168.9426, 0.3757,
0.3485

 0.2387, 0.7808,
0.2192

208.3471, 0.3714,

 0.0000, 0.0000,

0.3474

0.0000

253.4466, 0.3677,
0.3464

■ 30.5858, 0.4246,
0.3588

■ 30.5858, 0.4246,
0.3588

■ 26.2783, 0.4607,
0.3640

■ 35.6316, 0.3929,
0.3526

■ 22.6693, 0.4998,
0.3671

■ 41.4439, 0.3657,
0.3459

■ 19.7220, 0.5394,
0.3671


■ 48.0550, 0.3429,
0.3393

■ 17.3942, 0.5753,
0.3633

■ 55.4940, 0.3239,
0.3330

■ 15.6374, 0.6034,
0.3555

■ 63.7884, 0.3080,
0.3272

 15.1870, 0.6110,
0.3530

 72.9644, 0.2948,
0.3218

 83.0473, 0.2837,
0.3169

 91.7236, 0.2833,
0.3289

Harmonies

Analogous

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



30.5858, 0.4000, 0.3150



30.5858, 0.4246, 0.3588



30.5858, 0.4155, 0.4002

Triad

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



30.5858, 0.4246, 0.3588



30.5858, 0.2714, 0.3913



30.5858, 0.2450, 0.2401

Complementary

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



30.5858, 0.4246, 0.3588



41.1344, 0.2449, 0.2957

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.



30.5858, 0.2174, 0.2506



30.5858, 0.4246, 0.3588



30.5858, 0.2310, 0.3349

Square

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



30.5858, 0.4246, 0.3588



30.5858, 0.3251, 0.4272



30.5858, 0.2124, 0.2831



30.5858, 0.2921, 0.2499

Rectangle

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



30.5858, 0.4246, 0.3588



30.5858, 0.3931, 0.4211



30.5858, 0.2124, 0.2831



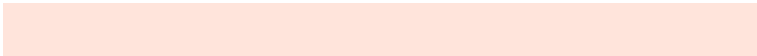
30.5858, 0.2334, 0.2413

Sweetspot

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



30.5873, 0.4246, 0.3588



81.7923, 0.3375, 0.3376



27.3244, 0.3427, 0.2391



16.9593, 0.3419, 0.3390



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.



30.5873, 0.4246, 0.3588



43.1105, 0.4602, 0.3639



46.4979, 0.3950, 0.4160



11.6425, 0.3284, 0.3346



9.5759, 0.6086, 0.3549



0.6156, 0.5694, 0.3861

Inverse Universe

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



41.1344, 0.2449, 0.2957



62.2939, 0.2332, 0.2873



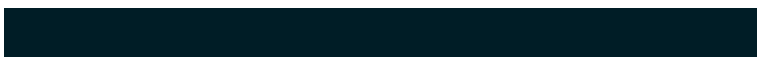
24.8797, 0.2315, 0.2221



12.2542, 0.2983, 0.3233



17.6843, 0.2029, 0.2504



1.0249, 0.2076, 0.2675

Previews

White Background



This preview shows how the Yxy color 30.5858, 0.4246, 0.3588 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 30.5858, 0.4246, 0.3588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

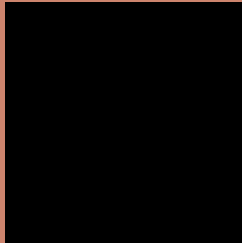
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5858, 0.4246, 0.3588

Background



This preview shows how black text looks on a background with the Yxy color 30.5858, 0.4246, 0.3588.



This preview shows how white text looks on a background with the Yxy color 30.5858, 0.4246, 0.3588.

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

30.5858, 0.4246, 0.3588

Protanopia

30.6741, 0.3570, 0.3800

Deuteranopia

30.5918, 0.3903, 0.3825



Tritanopia

30.5387, 0.3941, 0.3164

Trichromacy



Original Color

30.5858, 0.4246, 0.3588

Protanomaly

30.2069, 0.3811, 0.3715

Deuteranomaly

30.5302, 0.4017, 0.3737

Tritanomaly

30.3546, 0.4060, 0.3319

Monochromacy



Original Color

30.5858, 0.4246, 0.3588

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.3820, 0.3503, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5858, 0.4246, 0.3588 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(205, 132, 109)` looks like.

```
.text, #text, p{  
    color:rgb(205, 132, 109)  
}
```

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(205, 132, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 132, 109) }
```

Border

The CSS property to change the border of an element to Yxy 30.5858, 0.4246, 0.3588 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(205, 132, 109) }
```

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

```
.border{ border-color:rgb(205, 132, 109) }
```

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

Here you see how a box with a 4 pixel rgb(205, 132, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 132, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 132, 109);  
box-shadow:4px 4px 4px 4px rgb(205, 132,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5858, 0.4246, 0.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 132, 109) }
```

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

```
.background{ background-color: rgb(205,  
132, 109) }
```

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