

Converting Colors

Yxy(51.0644, 0.4143, 0.4566)

Have a look what the booklet for
Yxy(51.0644, 0.4143, 0.4566)
contains.

Yxy(51.0644, 0.4143, 0.4566)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.0644, 0.4143, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	D2BE4D
RGB	210, 190, 77
RGB Percent	82%, 75%, 30%
CMY	0.1764, 0.2549, 0.6980
CMYK	0.00, 0.10, 0.63, 0.18
HSL	51°, 60%, 56%
HSV	51°, 63%, 82%
XYZ	46.3337, 51.0644, 14.4381
YIQ	183.0980, 48.1930, -30.9030

Conversions

Conversions Part 2

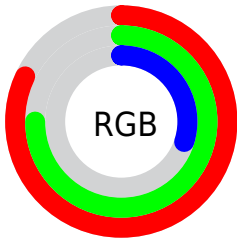
Format	Color
RYB	101, 210, 77
Decimal	13811277
CIELab	76.72, -6.14, 57.87
CIELCh	77, 58.196, 96.052
Yxy	51.0644, 0.4143, 0.4566
Android (android.graphics.Color)	4292001357 (0xFFD2BE4D)
YUV	183.0980, -52.3063, 23.5931
Hunter-Lab	71.4594, -9.3158, 38.0423

Details

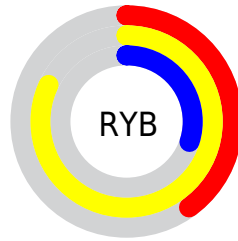
The Yxy color **51.0644, 0.4143, 0.4566** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted orange. A complement of this color would be **14.7858, 0.1964, 0.1531**, and the grayscale version is **47.6859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8102, 0.3884, 0.4405**, and **24.6104, 0.4333, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **49.4626, 0.4272, 0.4692**, and if you desaturate by 10%, it is **52.7964, 0.3994, 0.4403**.

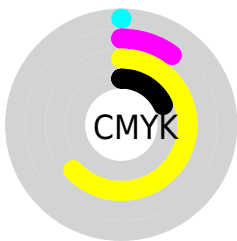
Distribution



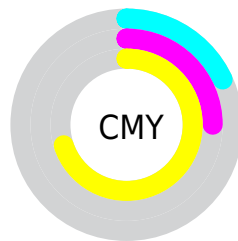
- Red (82%)
- Green (75%)
- Blue (30%)



- Red (40%)
- Yellow (82%)
- Blue (30%)



- Cyan (0%)
- Magenta (10%)
- Yellow (63%)
- Black (18%)





- Cyan (18%)
- Magenta (25%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.0644, 0.4143, 0.4566 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 51.0644, 0.4143, 0.4566 by changing the saturation by 10% instead.


 51.0644, 0.4143,
0.4566


 51.0644, 0.4143,
0.4566


390.8139, 0.3683,
0.3967


 36.2599, 0.4234,
0.4693


 91.7500, 0.3992,
0.4363

 24.6350, 0.4336,
0.4841


 118.3998, 0.3930,
0.4282


 15.8053, 0.4444,
0.5009

 149.7668, 0.3876,
0.4212

 9.3865, 0.4570,
0.5219

 186.2354, 0.3828,
0.4150

 4.9941, 0.4620,
0.5380

 228.1901, 0.3785,
0.4096

 2.2438, 0.4541,
0.5459

276.0151, 0.3748,

 0.7437, 0.4283,

0.4048

0.5717

330.0949, 0.3714,
0.4006

0.0000, 0.0000,
0.0000

51.0644, 0.4143,
0.4566

51.0644, 0.4143,
0.4566

49.4626, 0.4272,
0.4692

52.7964, 0.3994,
0.4403

47.9740, 0.4375,
0.4775

54.6600, 0.3832,
0.4212

46.5893, 0.4451,
0.4812

56.6650, 0.3663,
0.4004

45.7095, 0.4489,
0.4818

58.8185, 0.3495,
0.3787

61.1269, 0.3332,
0.3570

■ 63.5960, 0.3177,
0.3358

■ 66.2315, 0.3032,
0.3157

■ 69.0387, 0.2899,
0.2967

■ 71.2920, 0.2840,
0.2900

Harmonies

Analogous

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



51.0644, 0.4604, 0.4077



51.0644, 0.4143, 0.4566



51.0644, 0.3444, 0.4741

Triad

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



51.0644, 0.4143, 0.4566



51.0644, 0.1812, 0.2776



51.0644, 0.3432, 0.2482

Complementary

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



51.0644, 0.4143, 0.4566



14.7858, 0.1964, 0.1531

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.



51.0644, 0.2657, 0.2185



51.0644, 0.4143, 0.4566



51.0644, 0.1812, 0.2289

Square

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



51.0644, 0.4143, 0.4566



51.0644, 0.2113, 0.3554



51.0644, 0.2096, 0.2107



51.0644, 0.4201, 0.2946

Rectangle

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



51.0644, 0.4143, 0.4566



51.0644, 0.2941, 0.4553



51.0644, 0.2096, 0.2107



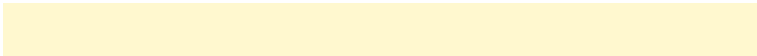
51.0644, 0.3160, 0.2361

Sweetspot

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



51.0668, 0.4143, 0.4566



92.7005, 0.3427, 0.3697



19.9174, 0.4812, 0.3043



19.6235, 0.3475, 0.3760



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.



51.0668, 0.4143, 0.4566



75.9078, 0.4312, 0.4727



54.7059, 0.3633, 0.4963



13.4819, 0.3270, 0.3486



27.9972, 0.4484, 0.4822



1.6496, 0.4422, 0.4871

Inverse Universe

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



14.7858, 0.1964, 0.1531



15.5907, 0.1745, 0.1149



14.0538, 0.2249, 0.1422



11.7007, 0.2982, 0.3086



3.5473, 0.1537, 0.0732



0.2919, 0.1616, 0.1018

Previews

White Background



This preview shows how the Yxy color 51.0644, 0.4143, 0.4566 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 51.0644, 0.4143, 0.4566 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 51.0644, 0.4143, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 51.0644, 0.4143, 0.4566.



This preview shows how white text looks on a background with the Yxy color 51.0644, 0.4143, 0.4566.

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

51.0644, 0.4143, 0.4566

Protanopia

51.2116, 0.4152, 0.4561

Deuteranopia

50.8839, 0.4425, 0.4327



Tritanopia

50.8622, 0.3379, 0.3128

Trichromacy



Original Color

51.0644, 0.4143, 0.4566

Protanomaly

51.2116, 0.4152, 0.4561

Deuteranomaly

51.0142, 0.4320, 0.4415

Tritanomaly

50.2568, 0.3698, 0.3676

Monochromacy



Original Color

51.0644, 0.4143, 0.4566

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.4689, 0.3526, 0.3833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.0644, 0.4143, 0.4566 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(210, 190, 77)` looks like.

```
.text, #text, p{  
    color:rgb(210, 190, 77)  
}
```

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(210, 190, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 190, 77) }
```

Border

The CSS property to change the border of an element to Yxy 51.0644, 0.4143, 0.4566 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(210, 190, 77) }
```

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

```
.border{ border-color:rgb(210, 190, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 190, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 190, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 190, 77);  
box-shadow:4px 4px 4px 4px rgb(210, 190,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 51.0644, 0.4143, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 190, 77) }
```

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

```
.background{ background-color: rgb(210,  
190, 77) }
```

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