

Converting Colors

Yxy(52.0473, 0.3733, 0.4672)

Have a look what the booklet for
Yxy(52.0473, 0.3733, 0.4672)
contains.

Yxy(51.7672, 0.3732, 0.4670)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(51.7672, 0.3732, 0.4670)

Conversions

Conversions Part 1

Format	Color
Hex	B4C85B
RGB	180, 200, 91
RGB Percent	71%, 78%, 36%
CMY	0.2940, 0.2157, 0.6430
CMYK	0.10, 0.00, 0.54, 0.22
HSL	71°, 50%, 57%
HSV	71°, 54%, 78%
XYZ	41.3694, 51.7672, 17.7139
YIQ	181.5940, 23.0690, -38.1390

Conversions

Conversions Part 2

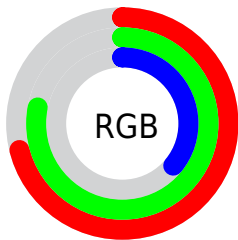
Format	Color
R _Y B	91, 200, 111
Decimal	11847771
CIE Lab	77.14, -22.55, 51.41
CIE LCh	77, 56.135, 113.684
Yxy	51.7672, 0.3732, 0.4670
Android (android.graphics.Color)	4290037851 (0xFFB4C85B)
YUV	181.5940, -44.6628, -1.3979
Hunter-Lab	71.9494, -23.2777, 35.7674

Details

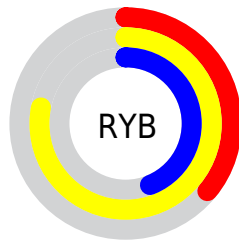
The Yxy color **51.7672, 0.3732, 0.4670** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **15.0359, 0.2247, 0.1631**, and the grayscale version is **46.7888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.7108, 0.3659, 0.4412**, and **25.0577, 0.3832, 0.5031** is the 20% darker color. If you saturate the color by 10%, you get **51.0347, 0.3805, 0.4882**, and if you desaturate by 10%, it is **52.6080, 0.3639, 0.4430**.

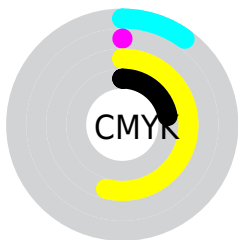
Distribution



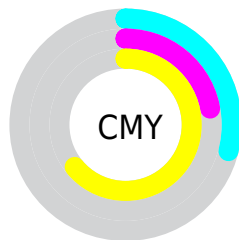
- Red (71%)
- Green (78%)
- Blue (36%)



- Red (36%)
- Yellow (78%)
- Blue (44%)



- Cyan (10%)
- Magenta (0%)
- Yellow (54%)
- Black (22%)




- Cyan (29%)
- Magenta (22%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7672, 0.3732, 0.4670 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 51.7672, 0.3732, 0.4670 by changing the saturation by 10% instead.

 51.7672, 0.3732,
0.4670


 51.7672, 0.3732,
0.4670


393.5372, 0.3471,
0.3984


 36.8195, 0.3779,
0.4832


 92.7878, 0.3650,
0.4426


 25.0678, 0.3829,
0.5033


 119.6296, 0.3615,
0.4332

 16.1276, 0.3873,
0.5282


 151.2048, 0.3584,
0.4252

 9.6145, 0.3895,
0.5592

 187.8980, 0.3556,
0.4184

 5.1441, 0.3921,
0.6079

230.0934, 0.3531,
0.4124

 2.3321, 0.3621,
0.6379

278.1754, 0.3509,

 0.7906, 0.2027,

0.4071

0.7973

332.5286, 0.3489,
0.4025

■ 0.0000, 0.0000,
0.0000

■ 51.7672, 0.3732,
0.4670

■ 51.7672, 0.3732,
0.4670

■ 51.0347, 0.3805,
0.4882

■ 52.6080, 0.3639,
0.4430

■ 50.3959, 0.3855,
0.5057

■ 53.5568, 0.3533,
0.4174

■ 49.8444, 0.3879,
0.5188

■ 54.6221, 0.3418,
0.3911

■ 49.3697, 0.3878,
0.5274

■ 55.8096, 0.3298,
0.3650

■ 49.1298, 0.3871,
0.5308

■ 57.1244, 0.3180,
0.3399

■ 58.5716, 0.3064,
0.3161

■ 60.1557, 0.2954,
0.2939

■ 61.8812, 0.2850,
0.2736

■ 62.6769, 0.2851,
0.2701

Harmonies

Analogous

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



51.7672, 0.4331, 0.4352



51.7672, 0.3732, 0.4670



51.7672, 0.3009, 0.4531

Triad

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



51.7672, 0.3732, 0.4670



51.7672, 0.1822, 0.2484



51.7672, 0.3876, 0.2760

Complementary

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



51.7672, 0.3732, 0.4670



15.0359, 0.2247, 0.1631

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.



51.7672, 0.3100, 0.2367



51.7672, 0.3732, 0.4670



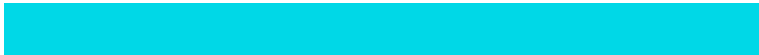
51.7672, 0.1985, 0.2188

Square

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



51.7672, 0.3732, 0.4670



51.7672, 0.1942, 0.3082



51.7672, 0.2421, 0.2162



51.7672, 0.4465, 0.3272

Rectangle

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



51.7672, 0.3732, 0.4670



51.7672, 0.2554, 0.4140



51.7672, 0.2421, 0.2162



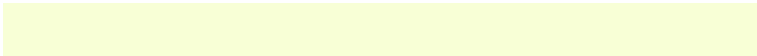
51.7672, 0.3622, 0.2612

Sweetspot

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



51.7695, 0.3732, 0.4670



96.2542, 0.3319, 0.3695



24.0120, 0.4581, 0.3526



20.5083, 0.3344, 0.3749



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.



51.7695, 0.3732, 0.4670



88.1911, 0.3814, 0.4910



46.6026, 0.3293, 0.4895



12.3149, 0.3237, 0.3520



31.2750, 0.3876, 0.5305



1.5071, 0.3946, 0.5249

Inverse Universe

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



15.0359, 0.2247, 0.1631



18.3735, 0.2033, 0.1273



19.5142, 0.2780, 0.1845



10.3794, 0.3011, 0.3053



2.9263, 0.1591, 0.0650



0.1678, 0.1783, 0.0756

Previews

White Background



This preview shows how the Yxy color 51.7672, 0.3732, 0.4670 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 51.7672, 0.3732, 0.4670 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 51.7672, 0.3732, 0.4670

Background



This preview shows how black text looks on a background with the Yxy color 51.7672, 0.3732, 0.4670.



This preview shows how white text looks on a background with the Yxy color 51.7672, 0.3732, 0.4670.

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

51.7672, 0.3732, 0.4670

Protanopia

51.3804, 0.4087, 0.4464

Deuteranopia

51.3847, 0.4303, 0.4206



Tritanopia

51.6157, 0.3055, 0.3106

Trichromacy



Original Color

51.7672, 0.3732, 0.4670

Protanomaly

51.5842, 0.3956, 0.4543

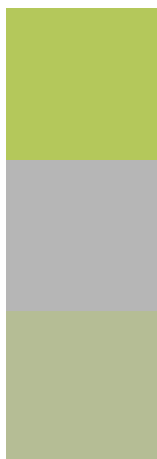
Deuteranomaly

51.0707, 0.4089, 0.4375

Tritanomaly

50.9993, 0.3324, 0.3677

Monochromacy



Original Color

51.7672, 0.3732, 0.4670

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.3889, 0.3371, 0.3822

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7672, 0.3732, 0.4670 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(180, 200, 91)` looks like.

```
.text, #text, p{  
    color:rgb(180, 200, 91)  
}
```

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(180, 200, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 200, 91) }
```

Border

The CSS property to change the border of an element to Yxy 51.7672, 0.3732, 0.4670 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(180, 200, 91) }
```

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

```
.border{ border-color:rgb(180, 200, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 200, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 200, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 200, 91);  
box-shadow:4px 4px 4px 4px rgb(180, 200,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7672, 0.3732, 0.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 200, 91) }
```

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

```
.background{ background-color: rgb(180,  
200, 91) }
```

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