

Converting Colors

$Y_{xy}(45.1644, 0.3820, 0.4349)$

Have a look what the booklet for
Yxy(45.1644, 0.3820, 0.4349)
contains.

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Color

Yxy(45.3714, 0.3820, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	BBB765
RGB	187, 183, 101
RGB Percent	73%, 72%, 40%
CMY	0.2668, 0.2823, 0.6040
CMYK	0.00, 0.02, 0.46, 0.27
HSL	57°, 39%, 56%
HSV	57°, 46%, 73%
XYZ	39.7702, 45.3714, 18.9690
YIQ	174.8480, 28.7060, -24.6540

Conversions

Conversions Part 2

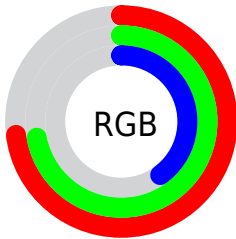
Format	Color
RYB	105, 187, 101
Decimal	12302181
CIELab	73.14, -10.23, 41.98
CIELCh	73, 43.210, 103.695
Yxy	45.3714, 0.3820, 0.4358
Android (android.graphics.Color)	4290492261 (0xFFBBB765)
YUV	174.8480, -36.4071, 10.6573
Hunter-Lab	67.3583, -12.4856, 30.4540

Details

The Yxy color **45.3714, 0.3820, 0.4358** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.4440, 0.2280, 0.1935**, and the grayscale version is **42.9663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4786, 0.3707, 0.4161**, and **21.1098, 0.3981, 0.4644** is the 20% darker color. If you saturate the color by 10%, you get **44.6938, 0.3953, 0.4556**, and if you desaturate by 10%, it is **46.1387, 0.3674, 0.4137**.

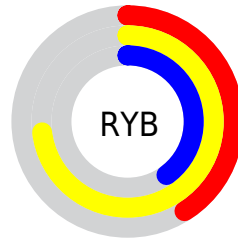
Distribution



Red (73%)

Green (72%)

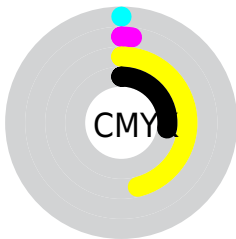
Blue (40%)



Red (41%)

Yellow (73%)

Blue (40%)

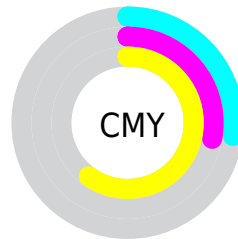


Cyan (0%)

Magenta (2%)

Yellow (46%)

Black (27%)



Cyan (27%)


Magenta (28%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3714, 0.3820, 0.4358 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 45.3714, 0.3820, 0.4358 by changing the saturation by 10% instead.


 45.3714, 0.3820,
0.4358


 45.3714, 0.3820,
0.4358


368.2757, 0.3491,
0.3823

 31.7501, 0.3892,
0.4487


 83.2775, 0.3707,
0.4166


 21.1707, 0.3977,
0.4647


 108.3310, 0.3662,
0.4093

 13.2488, 0.4076,
0.4849

 137.9640, 0.3624,
0.4031

 7.6001, 0.4182,
0.5105

 172.5609, 0.3590,
0.3978

 3.8401, 0.4407,
0.5593

212.5062, 0.3561,
0.3931

 1.5845, 0.4242,
0.5758

258.1841, 0.3535,

 0.3471, 0.1877,

0.3891

0.8123

309.9791, 0.3512,
0.3855

0.0000, 0.0000,
0.0000

45.3714, 0.3820,
0.4358

45.3714, 0.3820,
0.4358

44.6938, 0.3953,
0.4556

46.1387, 0.3674,
0.4137

44.0940, 0.4068,
0.4722

46.9946, 0.3521,
0.3903

43.5675, 0.4159,
0.4849


47.9460, 0.3366,
0.3664


43.1068, 0.4224,
0.4933

48.9974, 0.3215,
0.3428

42.7025, 0.4263,
0.4976


50.1528, 0.3070,
0.3200

 42.5482, 0.4276,
0.4987

 51.4163, 0.2934,
0.2984

 52.7914, 0.2807,
0.2784

 54.2817, 0.2691,
0.2598

 54.9379, 0.2666,
0.2564

Harmonies

Analogous

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



45.3714, 0.4229, 0.4053



45.3714, 0.3820, 0.4358



45.3714, 0.3247, 0.4355

Triad

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



45.3714, 0.3820, 0.4358



45.3714, 0.2052, 0.2784



45.3714, 0.3532, 0.2732

Complementary

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



45.3714, 0.3820, 0.4358



16.4440, 0.2280, 0.1935

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.



45.3714, 0.2911, 0.2447



45.3714, 0.3820, 0.4358



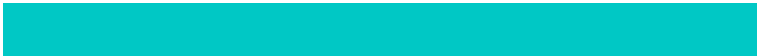
45.3714, 0.2109, 0.2443

Square

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



45.3714, 0.3820, 0.4358



45.3714, 0.2244, 0.3341



45.3714, 0.2405, 0.2339



45.3714, 0.4076, 0.3142

Rectangle

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



45.3714, 0.3820, 0.4358



45.3714, 0.2854, 0.4130



45.3714, 0.2405, 0.2339



45.3714, 0.3322, 0.2620

Sweetspot

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



45.3735, 0.3820, 0.4358



86.2188, 0.3339, 0.3622



20.8915, 0.4288, 0.3234



18.9006, 0.3373, 0.3674



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



45.3735, 0.3820, 0.4358



80.0847, 0.3952, 0.4554



42.7899, 0.3443, 0.4551



11.0432, 0.3265, 0.3507



29.3557, 0.4275, 0.4988



1.1733, 0.4253, 0.5005

Inverse Universe

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



16.4440, 0.2280, 0.1935



21.9723, 0.2075, 0.1599



18.4388, 0.2647, 0.2002



9.2939, 0.2984, 0.3064



2.6300, 0.1510, 0.0634



0.1274, 0.1546, 0.0765

Previews

White Background



This preview shows how the Yxy color 45.3714, 0.3820, 0.4358 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 45.3714, 0.3820, 0.4358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

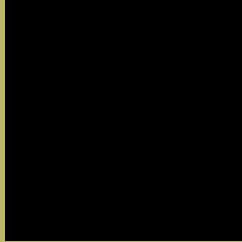
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3714, 0.3820, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 45.3714, 0.3820, 0.4358.



This preview shows how white text looks on a background with the Yxy color 45.3714, 0.3820, 0.4358.

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

45.3714, 0.3820, 0.4358

Protanopia

45.4329, 0.3940, 0.4298

Deuteranopia

45.0307, 0.4165, 0.4080



Tritanopia

45.2108, 0.3215, 0.3114

Trichromacy



Original Color

45.3714, 0.3820, 0.4358

Protanomaly

45.3053, 0.3896, 0.4324

Deuteranomaly

44.9046, 0.4043, 0.4172

Tritanomaly

45.1820, 0.3448, 0.3564

Monochromacy



Original Color

45.3714, 0.3820, 0.4358

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

43.5626, 0.3385, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3714, 0.3820, 0.4358 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(187, 183, 101)` looks like.

```
.text, #text, p{  
    color:rgb(187, 183, 101)  
}
```

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(187, 183, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 183, 101) }
```

Border

The CSS property to change the border of an element to Yxy 45.3714, 0.3820, 0.4358 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(187, 183, 101) }
```

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

```
.border{ border-color:rgb(187, 183, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 183, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 183, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 183, 101);  
box-shadow:4px 4px 4px 4px rgb(187, 183,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3714, 0.3820, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 183, 101) }
```

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

```
.background{ background-color: rgb(187,  
183, 101) }
```

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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