

Converting Colors

$Y_{xy}(46.6099, 0.3618, 0.4237)$

Have a look what the booklet for
Yxy(46.6099, 0.3618, 0.4237)
contains.

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Color

Yxy(46.5283, 0.3617, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	B4BB75
RGB	180, 187, 117
RGB Percent	71%, 73%, 46%
CMY	0.2941, 0.2667, 0.5411
CMYK	0.04, 0.00, 0.37, 0.27
HSL	66°, 34%, 60%
HSV	66°, 37%, 73%
XYZ	39.8044, 46.5283, 23.7153
YIQ	176.9270, 18.2980, -23.2540

Conversions

Conversions Part 2

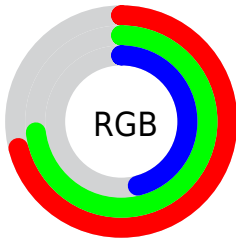
Format	Color
R_{YB}	117, 187, 124
Decimal	11844469
CIE _{Lab}	73.89, -13.36, 34.64
CIE _{LCh}	74, 37.132, 111.091
Yxy	46.5283, 0.3617, 0.4228
Android (android.graphics.Color)	4290034549 (0xFFB4BB75)
YUV	176.9270, -29.5440, 2.6950
Hunter-Lab	68.2117, -15.2082, 27.1346

Details

The Yxy color **46.5283, 0.3617, 0.4228** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **20.5992, 0.2516, 0.2192**, and the grayscale version is **44.0785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0080, 0.3539, 0.4053**, and **21.8911, 0.3732, 0.4503** is the 20% darker color. If you saturate the color by 10%, you get **45.9105, 0.3735, 0.4468**, and if you desaturate by 10%, it is **47.2412, 0.3489, 0.3976**.

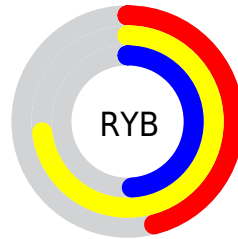
Distribution



Red (71%)

Green (73%)

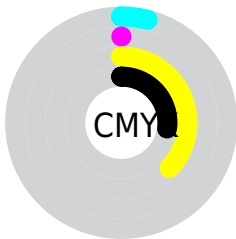
Blue (46%)



Red (46%)

Yellow (73%)

Blue (49%)

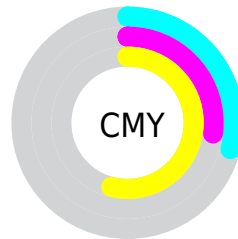


Cyan (4%)

Magenta (0%)

Yellow (37%)

Black (27%)



Cyan (29%)


Magenta (27%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5283, 0.3617, 0.4228 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 46.5283, 0.3617, 0.4228 by changing the saturation by 10% instead.


 46.5283, 0.3617,
0.4228

 46.5283, 0.3617,
0.4228


372.9285, 0.3385,
0.3752

 32.6629, 0.3669,
0.4347


 85.0091, 0.3537,
0.4055

 21.8683, 0.3731,
0.4498


 110.3933, 0.3505,
0.3989

 13.7602, 0.3805,
0.4695


 140.3859, 0.3478,
0.3934

 7.9541, 0.3889,
0.4960

175.3713, 0.3455,
0.3887

 4.0656, 0.4013,
0.5382

215.7338, 0.3434,
0.3847

 1.7103, 0.4063,
0.5937

261.8580, 0.3416,

 0.4303, 0.1614,

0.3811

0.8386

314.1281, 0.3399,
0.3780

0.0000, 0.0000,
0.0000

46.5283, 0.3617,
0.4228

46.5283, 0.3617,
0.4228

45.9105, 0.3735,
0.4468

47.2412, 0.3489,
0.3976

45.3762, 0.3837,
0.4685

48.0478, 0.3357,
0.3721

44.9217, 0.3919,
0.4870


48.9545, 0.3224,
0.3470


44.5404, 0.3977,
0.5015

49.9658, 0.3094,
0.3229

44.2247, 0.4009,
0.5117

51.0853, 0.2971,
0.3003


 43.9632, 0.4018,
0.5178

 52.3170, 0.2855,
0.2792

 43.8997, 0.4019,
0.5191

 53.6644, 0.2747,
0.2599

 54.3600, 0.2716,
0.2532

 54.6107, 0.2729,
0.2535

Harmonies

Analogous

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



46.5283, 0.4010, 0.4036



46.5283, 0.3617, 0.4228



46.5283, 0.3112, 0.4131

Triad

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



46.5283, 0.3617, 0.4228



46.5283, 0.2187, 0.2772



46.5283, 0.3602, 0.2889

Complementary

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



46.5283, 0.3617, 0.4228



20.5992, 0.2516, 0.2192

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.



46.5283, 0.3073, 0.2606



46.5283, 0.3617, 0.4228



46.5283, 0.2290, 0.2520

Square

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



46.5283, 0.3617, 0.4228



46.5283, 0.2305, 0.3212



46.5283, 0.2600, 0.2471



46.5283, 0.4016, 0.3268

Rectangle

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



46.5283, 0.3617, 0.4228



46.5283, 0.2782, 0.3892



46.5283, 0.2600, 0.2471



46.5283, 0.3429, 0.2781

Sweetspot

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



46.5304, 0.3617, 0.4228



87.0431, 0.3273, 0.3563



26.2678, 0.3991, 0.3391



19.1194, 0.3291, 0.3597



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.



46.5304, 0.3617, 0.4228



82.3996, 0.3716, 0.4428



42.8473, 0.3303, 0.4333



11.0707, 0.3249, 0.3518



30.2638, 0.4021, 0.5189



1.1996, 0.4065, 0.5155

Inverse Universe

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



20.5992, 0.2516, 0.2192



29.2081, 0.2351, 0.1907



23.6848, 0.2867, 0.2292



9.2698, 0.2999, 0.3054



2.5806, 0.1539, 0.0621



0.1166, 0.1675, 0.0697

Previews

White Background



This preview shows how the Yxy color 46.5283, 0.3617, 0.4228 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 46.5283, 0.3617, 0.4228 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

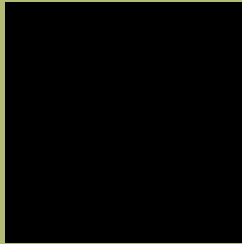
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

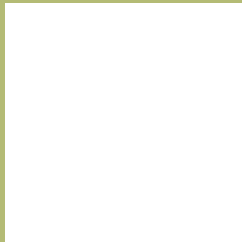
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.5283, 0.3617, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 46.5283, 0.3617, 0.4228.



This preview shows how white text looks on a background with the Yxy color 46.5283, 0.3617, 0.4228.

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

46.5283, 0.3617, 0.4228

Protanopia

46.2913, 0.3828, 0.4130

Deuteranopia

46.1486, 0.4018, 0.3925



Tritanopia

46.4654, 0.3110, 0.3113

Trichromacy



Original Color

46.5283, 0.3617, 0.4228

Protanomaly

46.2043, 0.3744, 0.4162

Deuteranomaly

46.0101, 0.3867, 0.4030

Tritanomaly

46.2035, 0.3301, 0.3501

Monochromacy



Original Color

46.5283, 0.3617, 0.4228

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.8793, 0.3312, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5283, 0.3617, 0.4228 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, 187, 117)` looks like.

```
.text, #text, p{  
    color:rgb(180, 187, 117)  
}
```

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, 187, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 187, 117) }
```

Border

The CSS property to change the border of an element to Yxy 46.5283, 0.3617, 0.4228 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, 187, 117) }
```

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

```
.border{ border-color:rgb(180, 187, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 187, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 187, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 187, 117);  
box-shadow:4px 4px 4px 4px rgb(180, 187,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5283, 0.3617, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 187, 117) }
```

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

```
.background{ background-color: rgb(180,  
187, 117) }
```

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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