

Converting Colors

$Y_{xy}(47.1288, 0.3636, 0.4267)$

Have a look what the booklet for
Yxy(47.1288, 0.3636, 0.4267)
contains.

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Color

Yxy(47.0280, 0.3637, 0.4262)

Conversions

Conversions Part 1

Format	Color
Hex	B5BC73
RGB	181, 188, 115
RGB Percent	71%, 74%, 45%
CMY	0.2902, 0.2627, 0.5490
CMYK	0.04, 0.00, 0.39, 0.26
HSL	66°, 35%, 59%
HSV	66°, 39%, 74%
XYZ	40.1316, 47.0280, 23.1830
YIQ	177.5850, 19.2610, -24.1870

Conversions

Conversions Part 2

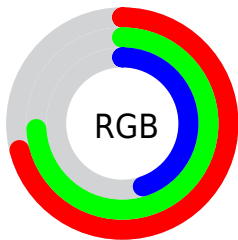
Format	Color
RYB	115, 188, 122
Decimal	11910259
CIELab	74.21, -13.72, 36.10
CIELCh	74, 38.624, 110.809
Yxy	47.0280, 0.3637, 0.4262
Android (android.graphics.Color)	4290100339 (0xFFB5BC73)
YUV	177.5850, -30.8544, 2.9950
Hunter-Lab	68.5770, -15.5506, 27.9604

Details

The Yxy color **47.0280, 0.3637, 0.4262** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **20.0337, 0.2486, 0.2143**, and the grayscale version is **44.4487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7057, 0.3555, 0.4081**, and **22.2216, 0.3756, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **46.4233, 0.3754, 0.4499**, and if you desaturate by 10%, it is **47.7281, 0.3509, 0.4012**.

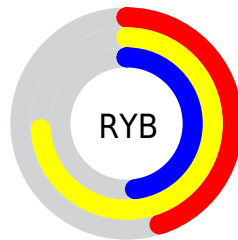
Distribution



Red (71%)

Green (74%)

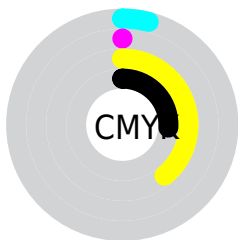
Blue (45%)



Red (45%)

Yellow (74%)

Blue (48%)

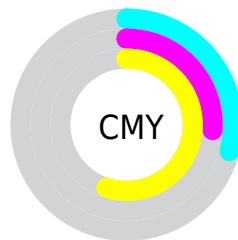


Cyan (4%)

Magenta (0%)

Yellow (39%)

Black (26%)



Cyan (29%)


Magenta (26%)


Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0280, 0.3637, 0.4262 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 47.0280, 0.3637, 0.4262 by changing the saturation by 10% instead.


 47.0280, 0.3637,
0.4262


 47.0280, 0.3637,
0.4262


374.9263, 0.3397,
0.3770

 33.0578, 0.3690,
0.4384


 85.7554, 0.3554,
0.4083

 22.1707, 0.3753,
0.4539


 111.2814, 0.3522,
0.4016

 13.9824, 0.3828,
0.4740


 141.4281, 0.3494,
0.3959

 8.1084, 0.3911,
0.5009

176.5800, 0.3469,
0.3910

 4.1644, 0.4041,
0.5445

217.1213, 0.3448,
0.3868

 1.7659, 0.4050,
0.5950

263.4365, 0.3429,

 0.4658, 0.1879,

0.3831

0.8121

315.9101, 0.3412,
0.3799

0.0000, 0.0000,
0.0000

47.0280, 0.3637,
0.4262

47.0280, 0.3637,
0.4262

46.4233, 0.3754,
0.4499

47.7281, 0.3509,
0.4012

45.9022, 0.3854,
0.4711

48.5220, 0.3376,
0.3756

45.4608, 0.3934,
0.4890


49.4167, 0.3243,
0.3505

45.0922, 0.3989,
0.5029


50.4163, 0.3112,
0.3262

44.7886, 0.4018,
0.5124

51.5249, 0.2987,
0.3033

 44.5361, 0.4025,
0.5180

 52.7462, 0.2869,
0.2820

 44.5076, 0.4025,
0.5186

 54.0840, 0.2760,
0.2624

 54.8527, 0.2721,
0.2544

 55.0958, 0.2733,
0.2547

Harmonies

Analogous

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



47.0280, 0.4043, 0.4057



47.0280, 0.3637, 0.4262



47.0280, 0.3114, 0.4167

Triad

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



47.0280, 0.3637, 0.4262



47.0280, 0.2156, 0.2756



47.0280, 0.3614, 0.2872

Complementary

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



47.0280, 0.3637, 0.4262



20.0337, 0.2486, 0.2143

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.



47.0280, 0.3065, 0.2582



47.0280, 0.3637, 0.4262



47.0280, 0.2260, 0.2495

Square

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



47.0280, 0.3637, 0.4262



47.0280, 0.2279, 0.3213



47.0280, 0.2578, 0.2444



47.0280, 0.4046, 0.3262

Rectangle

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



47.0280, 0.3637, 0.4262



47.0280, 0.2773, 0.3921



47.0280, 0.2578, 0.2444



47.0280, 0.3434, 0.2761

Sweetspot

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



47.0301, 0.3637, 0.4262



88.9847, 0.3288, 0.3589



25.6269, 0.4045, 0.3378



19.0899, 0.3305, 0.3621



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.



47.0301, 0.3637, 0.4262



84.2359, 0.3742, 0.4474



43.2663, 0.3318, 0.4373



11.0726, 0.3250, 0.3518



30.3179, 0.4027, 0.5184



1.2013, 0.4070, 0.5151

Inverse Universe

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



20.0337, 0.2486, 0.2143



28.1238, 0.2307, 0.1835



23.1217, 0.2842, 0.2248



9.2681, 0.2998, 0.3054



2.5754, 0.1537, 0.0620



0.1158, 0.1669, 0.0693

Previews

White Background



This preview shows how the Yxy color 47.0280, 0.3637, 0.4262 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 47.0280, 0.3637, 0.4262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

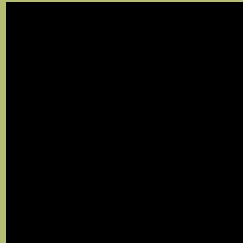
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0280, 0.3637, 0.4262

Background



This preview shows how black text looks on a background with the Yxy color 47.0280, 0.3637, 0.4262.



This preview shows how white text looks on a background with the Yxy color 47.0280, 0.3637, 0.4262.

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

47.0280, 0.3637, 0.4262

Protanopia

46.7903, 0.3848, 0.4162

Deuteranopia

46.6402, 0.4039, 0.3956



Tritanopia

47.0376, 0.3110, 0.3114

Trichromacy



Original Color

47.0280, 0.3637, 0.4262

Protanomaly

46.7024, 0.3765, 0.4194

Deuteranomaly

46.5037, 0.3888, 0.4062

Tritanomaly

46.7373, 0.3308, 0.3513

Monochromacy



Original Color

47.0280, 0.3637, 0.4262

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.4062, 0.3319, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0280, 0.3637, 0.4262 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(181, 188, 115)` looks like.

```
.text, #text, p{  
    color:rgb(181, 188, 115)  
}
```

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(181, 188, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 188, 115) }
```

Border

The CSS property to change the border of an element to Yxy 47.0280, 0.3637, 0.4262 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(181, 188, 115) }
```

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

```
.border{ border-color:rgb(181, 188, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 188, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 188, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 188, 115);  
box-shadow:4px 4px 4px 4px rgb(181, 188,  
115) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0280, 0.3637, 0.4262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 188, 115) }
```

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

```
.background{ background-color: rgb(181,  
188, 115) }
```

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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