

Converting Colors

$Y_{xy}(46.0870, 0.3577, 0.4170)$

Have a look what the booklet for
Yxy(46.0870, 0.3577, 0.4170)
contains.

Yxy(46.0820, 0.3581, 0.4167)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(46.0820, 0.3581, 0.4167)

Conversions

Conversions Part 1

Format	Color
Hex	B3BA79
RGB	179, 186, 121
RGB Percent	70%, 73%, 47%
CMY	0.2980, 0.2706, 0.5254
CMYK	0.04, 0.00, 0.35, 0.27
HSL	66°, 32%, 60%
HSV	66°, 35%, 73%
XYZ	39.6015, 46.0820, 24.9044
YIQ	176.4970, 16.6930, -21.6990

Conversions

Conversions Part 2

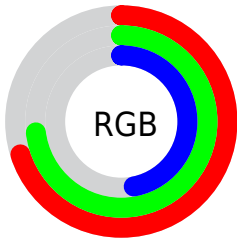
Format	Color
RYB	121, 186, 128
Decimal	11778681
CIELab	73.60, -12.76, 32.17
CIELCh	74, 34.605, 111.629
Yxy	46.0820, 0.3581, 0.4167
Android (android.graphics.Color)	4289968761 (0xFFB3BA79)
YUV	176.4970, -27.3600, 2.1951
Hunter-Lab	67.8837, -14.6644, 25.7670

Details

The Yxy color $46.0820, 0.3581, 0.4167$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $21.8180, 0.2569, 0.2277$, and the grayscale version is $43.8304, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.3931, 0.3509, 0.4003$, and $21.5900, 0.3688, 0.4428$ is the 20% darker color. If you saturate the color by 10%, you get $45.4335, 0.3700, 0.4412$, and if you desaturate by 10%, it is $46.8261, 0.3453, 0.3913$.

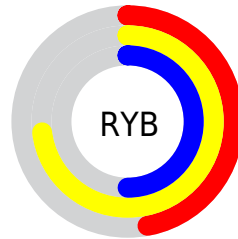
Distribution



Red (70%)

Green (73%)

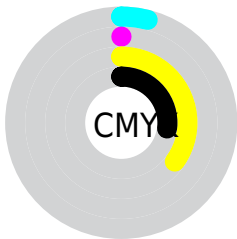
Blue (47%)



Red (47%)

Yellow (73%)

Blue (50%)

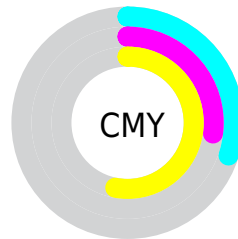


Cyan (4%)

Magenta (0%)

Yellow (35%)

Black (27%)



Cyan (30%)


Magenta (27%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0820, 0.3581, 0.4167 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 46.0820, 0.3581, 0.4167 by changing the saturation by 10% instead.


 46.0820, 0.3581,
0.4167

 46.0820, 0.3581,
0.4167


371.1382, 0.3364,
0.3721


 32.3105, 0.3630,
0.4279


 84.3417, 0.3506,
0.4004

 21.5988, 0.3690,
0.4422

 109.5987, 0.3476,
0.3943

 13.5624, 0.3762,
0.4611


 139.4531, 0.3451,
0.3891

 7.8169, 0.3846,
0.4867

174.2891, 0.3429,
0.3847

 3.9780, 0.3957,
0.5256

214.4913, 0.3410,
0.3809

 1.6613, 0.4093,
0.5907

260.4439, 0.3393,

 0.3984, 0.1445,

0.3776

0.8555

312.5314, 0.3378,
0.3747

0.0000, 0.0000,
0.0000

46.0820, 0.3581,
0.4167

46.0820, 0.3581,
0.4167

45.4335, 0.3700,
0.4412

46.8261, 0.3453,
0.3913

44.8694, 0.3806,
0.4637

47.6642, 0.3321,
0.3658

44.3860, 0.3892,
0.4832


48.6028, 0.3190,
0.3409


43.9771, 0.3955,
0.4990


49.6461, 0.3064,
0.3171


43.6354, 0.3992,
0.5104

50.7977, 0.2943,
0.2949


 43.3521, 0.4004,
0.5176

 52.0615, 0.2830,
0.2743

 43.2213, 0.4005,
0.5202

 53.4408, 0.2725,
0.2554

 53.9467, 0.2716,
0.2521

 54.2157, 0.2730,
0.2523

Harmonies

Analogous

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



46.0820, 0.3950, 0.3997



46.0820, 0.3581, 0.4167



46.0820, 0.3107, 0.4067

Triad

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



46.0820, 0.3581, 0.4167



46.0820, 0.2243, 0.2801



46.0820, 0.3580, 0.2920

Complementary

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



46.0820, 0.3581, 0.4167



21.8180, 0.2569, 0.2277

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.



46.0820, 0.3087, 0.2649



46.0820, 0.3581, 0.4167



46.0820, 0.2344, 0.2565

Square

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



46.0820, 0.3581, 0.4167



46.0820, 0.2352, 0.3212



46.0820, 0.2640, 0.2520



46.0820, 0.3963, 0.3280

Rectangle

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



46.0820, 0.3581, 0.4167



46.0820, 0.2798, 0.3843



46.0820, 0.2640, 0.2520



46.0820, 0.3420, 0.2817

Sweetspot

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



46.0841, 0.3581, 0.4167



87.1785, 0.3259, 0.3538



27.1351, 0.3911, 0.3384



19.1458, 0.3277, 0.3573



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.



46.0841, 0.3581, 0.4167



82.5975, 0.3675, 0.4358



42.7051, 0.3293, 0.4256



10.4529, 0.3248, 0.3517



29.0964, 0.4008, 0.5200



1.0399, 0.4059, 0.5159

Inverse Universe

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



21.8180, 0.2569, 0.2277



31.9546, 0.2418, 0.2014



24.7013, 0.2889, 0.2363



8.7646, 0.3000, 0.3055



2.5021, 0.1544, 0.0624



0.1036, 0.1699, 0.0709

Previews

White Background



This preview shows how the Yxy color 46.0820, 0.3581, 0.4167 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 46.0820, 0.3581, 0.4167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

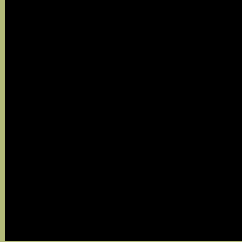
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

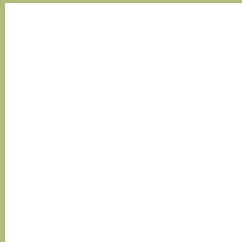
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0820, 0.3581, 0.4167

Background



This preview shows how black text looks on a background with the Yxy color 46.0820, 0.3581, 0.4167.



This preview shows how white text looks on a background with the Yxy color 46.0820, 0.3581, 0.4167.

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

46.0820, 0.3581, 0.4167

Protanopia

46.1154, 0.3777, 0.4087

Deuteranopia

45.9413, 0.3964, 0.3883



Tritanopia

45.8972, 0.3110, 0.3112

Trichromacy



Original Color

46.0820, 0.3581, 0.4167

Protanomaly

46.1702, 0.3703, 0.4114

Deuteranomaly

45.9674, 0.3824, 0.3984

Tritanomaly

45.7100, 0.3285, 0.3475

Monochromacy



Original Color

46.0820, 0.3581, 0.4167

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

44.5418, 0.3297, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0820, 0.3581, 0.4167 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(179, 186, 121)` looks like.

```
.text, #text, p{  
    color:rgb(179, 186, 121)  
}
```

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(179, 186, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 186, 121) }
```

Border

The CSS property to change the border of an element to Yxy 46.0820, 0.3581, 0.4167 is called "border". The border property can be set on classes, ids or directly on the HTML element.

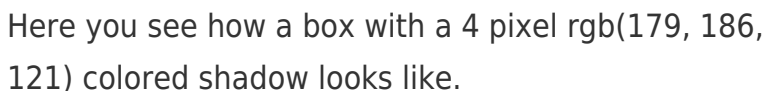
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 186, 121) }
```

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

```
.border{ border-color:rgb(179, 186, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 186, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 186, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 186, 121);  
box-shadow:4px 4px 4px 4px rgb(179, 186,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0820, 0.3581, 0.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 186, 121) }
```

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

```
.background{ background-color: rgb(179,  
186, 121) }
```

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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