

Converting Colors

$Yxy(45.9696, 0.3596, 0.3990)$

Have a look what the booklet for
Yxy(45.9696, 0.3596, 0.3990)
contains.

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Color

Yxy(46.0435, 0.3595, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	BBB782
RGB	187, 183, 130
RGB Percent	73%, 72%, 51%
CMY	0.2667, 0.2823, 0.4903
CMYK	0.00, 0.02, 0.30, 0.27
HSL	56°, 30%, 62%
HSV	56°, 30%, 73%
XYZ	41.4541, 46.0435, 27.8129
YIQ	178.1540, 19.3970, -15.6350

Conversions

Conversions Part 2

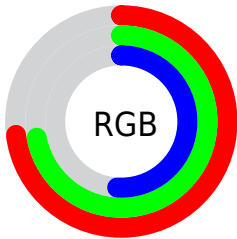
Format	Color
RYB	134, 187, 130
Decimal	12302210
CIELab	73.57, -6.91, 27.54
CIELCh	74, 28.393, 104.092
Yxy	46.0435, 0.3595, 0.3993
Android (android.graphics.Color)	4290492290 (0xFFBBB782)
YUV	178.1540, -23.7399, 7.7579
Hunter-Lab	67.8554, -9.6978, 23.1967

Details

The Yxy color **46.0435, 0.3595, 0.3993** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.3722, 0.2602, 0.2474**, and the grayscale version is **44.7268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3850, 0.3517, 0.3868**, and **21.5310, 0.3719, 0.4191** is the 20% darker color. If you saturate the color by 10%, you get **45.0513, 0.3749, 0.4218**, and if you desaturate by 10%, it is **47.1362, 0.3438, 0.3760**.

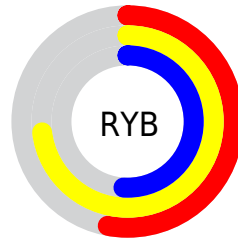
Distribution



Red (73%)

Green (72%)

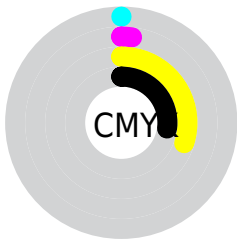
Blue (51%)



Red (53%)

Yellow (73%)

Blue (51%)

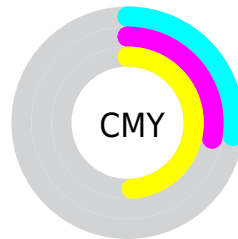


Cyan (0%)

Magenta (2%)

Yellow (30%)

Black (27%)



Cyan (27%)


Magenta (28%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0435, 0.3595, 0.3993 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 46.0435, 0.3595, 0.3993 by changing the saturation by 10% instead.


 46.0435, 0.3595,
0.3993


 46.0435, 0.3595,
0.3993

370.9835, 0.3366,
0.3638

 32.2801, 0.3649,
0.4081


 84.2841, 0.3514,
0.3864

 21.5756, 0.3717,
0.4194


 109.5301, 0.3482,
0.3815

 13.5454, 0.3803,
0.4343


 139.3725, 0.3456,
0.3774

 7.8052, 0.3914,
0.4545

174.1956, 0.3433,
0.3739

 3.9705, 0.4055,
0.4830

214.3839, 0.3413,
0.3709

 1.6571, 0.4457,
0.5543

260.3217, 0.3396,

 0.3956, 0.3438,

0.3682

0.6562

312.3935, 0.3380,
0.3659

0.0000, 0.0000,
0.0000

46.0435, 0.3595,
0.3993

46.0435, 0.3595,
0.3993

45.0513, 0.3749,
0.4218

47.1362, 0.3438,
0.3760

44.1483, 0.3896,
0.4427

48.3276, 0.3283,
0.3527

43.3311, 0.4027,
0.4609


49.6242, 0.3134,
0.3301


42.5938, 0.4138,
0.4756

51.0299, 0.2994,
0.3085

41.9295, 0.4225,
0.4862

52.5486, 0.2863,
0.2883


 41.3299, 0.4284,
0.4924

 54.1838, 0.2743,
0.2695

 40.8045, 0.4321,
0.4951

 55.5549, 0.2668,
0.2581

 56.1324, 0.2669,
0.2596

 56.7151, 0.2670,
0.2611

Harmonies

Analogous

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



46.0435, 0.3857, 0.3822



46.0435, 0.3595, 0.3993



46.0435, 0.3217, 0.3962

Triad

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



46.0435, 0.3595, 0.3993



46.0435, 0.2397, 0.2967



46.0435, 0.3403, 0.2917

Complementary

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



46.0435, 0.3595, 0.3993



25.3722, 0.2602, 0.2474

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.



46.0435, 0.2997, 0.2715



46.0435, 0.3595, 0.3993



46.0435, 0.2437, 0.2726

Square

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



46.0435, 0.3595, 0.3993



46.0435, 0.2535, 0.3330



46.0435, 0.2649, 0.2643



46.0435, 0.3749, 0.3207

Rectangle

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



46.0435, 0.3595, 0.3993



46.0435, 0.2953, 0.3815



46.0435, 0.2649, 0.2643



46.0435, 0.3268, 0.2837

Sweetspot

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



46.0456, 0.3595, 0.3993



86.8606, 0.3263, 0.3496



28.2651, 0.3746, 0.3225



19.0560, 0.3285, 0.3530



95.5105, 0.3127, 0.3290



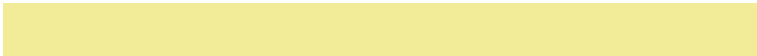
19.5994, 0.3127, 0.3290

Same Dimension

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



46.0456, 0.3595, 0.3993



81.1890, 0.3705, 0.4154



44.9616, 0.3367, 0.4097



11.0032, 0.3266, 0.3501



28.1600, 0.4319, 0.4952



1.1376, 0.4286, 0.4979

Inverse Universe

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



25.3722, 0.2602, 0.2474



37.9181, 0.2460, 0.2247



26.3909, 0.2821, 0.2463



9.3297, 0.2984, 0.3070



2.7127, 0.1515, 0.0652



0.1433, 0.1569, 0.0847

Previews

White Background



This preview shows how the Yxy color 46.0435, 0.3595, 0.3993 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 46.0435, 0.3595, 0.3993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

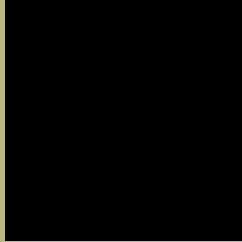
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

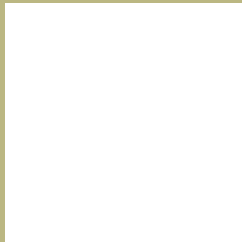
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0435, 0.3595, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 46.0435, 0.3595, 0.3993.



This preview shows how white text looks on a background with the Yxy color 46.0435, 0.3595, 0.3993.

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

46.0435, 0.3595, 0.3993

Protanopia

46.2348, 0.3685, 0.3963

Deuteranopia

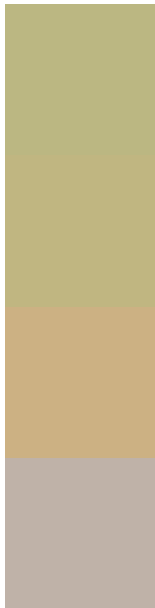
45.8492, 0.3874, 0.3792



Tritanopia

45.8034, 0.3179, 0.3114

Trichromacy



Original Color

46.0435, 0.3595, 0.3993

Protanomaly

46.2473, 0.3653, 0.3982

Deuteranomaly

45.9203, 0.3770, 0.3871

Tritanomaly

45.7443, 0.3325, 0.3420

Monochromacy



Original Color

46.0435, 0.3595, 0.3993

Achromatopsia

44.5201, 0.3127, 0.3290

Achromatomaly

45.0395, 0.3291, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0435, 0.3595, 0.3993 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(187, 183, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 183, 130) }
```

Border

The CSS property to change the border of an element to Yxy 46.0435, 0.3595, 0.3993 is called "border". The border property can be set on classes, ids or directly on the HTML element.

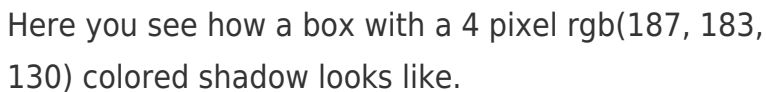
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 183, 130) }
```

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

```
.border{ border-color:rgb(187, 183, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 183, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 183, 130); box-shadow:4px 4px 4px 4px rgb(187, 183, 130) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0435, 0.3595, 0.3993 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, 130) }
```

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

```
.background{ background-color: rgb(187,  
183, 130) }
```

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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