

Converting Colors

$Y_{xy}(50.3075, 0.3964, 0.4022)$

Have a look what the booklet for
Yxy(50.3075, 0.3964, 0.4022)
contains.

Yxy(50.3075, 0.3965, 0.4022)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(50.3075, 0.3965, 0.4022)

Conversions

Conversions Part 1

Format	Color
Hex	DBB779
RGB	219, 183, 121
RGB Percent	86%, 72%, 47%
CMY	0.1412, 0.2823, 0.5256
CMYK	0.00, 0.16, 0.45, 0.14
HSL	38°, 58%, 67%
HSV	38°, 45%, 86%
XYZ	49.5945, 50.3075, 25.1788
YIQ	186.6960, 41.3580, -11.6500

Conversions

Conversions Part 2

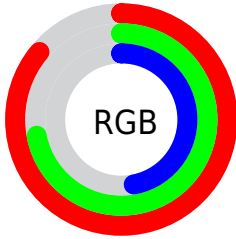
Format	Color
RYB	178, 219, 121
Decimal	14399353
CIELab	76.26, 4.87, 36.31
CIELCh	76, 36.631, 82.358
Yxy	50.3075, 0.3965, 0.4022
Android (android.graphics.Color)	4292589433 (0xFFDDBB779)
YUV	186.6960, -32.3881, 28.3306
Hunter-Lab	70.9278, 0.6882, 28.6020

Details

The Yxy color **50.3075, 0.3965, 0.4022** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **33.2772, 0.2376, 0.2417**, and the grayscale version is **49.6820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0490, 0.3654, 0.3943**, and **24.1016, 0.4180, 0.4194** is the 20% darker color. If you saturate the color by 10%, you get **46.6099, 0.4187, 0.4171**, and if you desaturate by 10%, it is **54.3212, 0.3751, 0.3859**.

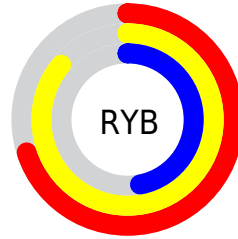
Distribution



Red (86%)

Green (72%)

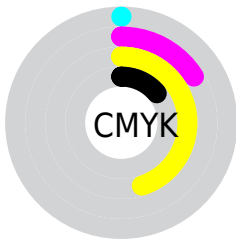
Blue (47%)



Red (70%)

Yellow (86%)

Blue (47%)

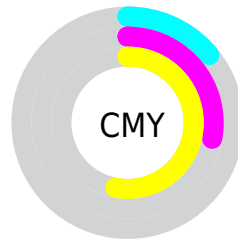


Cyan (0%)

Magenta (16%)

Yellow (45%)

Black (14%)



Cyan (14%)


Magenta (28%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.3075, 0.3965, 0.4022 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 50.3075, 0.3965, 0.4022 by changing the saturation by 10% instead.


 50.3075, 0.3965,
0.4022

 50.3075, 0.3965,
0.4022


387.8672, 0.3558,
0.3674


 35.6578, 0.4060,
0.4101


 90.6303, 0.3821,
0.3901

 24.1700, 0.4178,
0.4196


 117.0722, 0.3766,
0.3854

 15.4598, 0.4326,
0.4313


 148.2136, 0.3718,
0.3814

 9.1427, 0.4514,
0.4454

184.4389, 0.3677,
0.3778

 4.8344, 0.4766,
0.4633

226.1326, 0.3642,
0.3747

 2.1504, 0.5131,
0.4869

273.6789, 0.3610,

 0.6928, 0.5288,

0.3720

0.4712

327.4623, 0.3583,
0.3696

0.0000, 0.0000,
0.0000

50.3075, 0.3965,
0.4022

50.3075, 0.3965,
0.4022

46.6099, 0.4187,
0.4171

54.3212, 0.3751,
0.3859

43.2098, 0.4408,
0.4294

58.6545, 0.3551,
0.3691

40.0970, 0.4619,
0.4380

63.3198, 0.3367,
0.3524

37.2572, 0.4807,
0.4419

68.3264, 0.3200,
0.3363

34.6737, 0.4964,
0.4405

73.6832, 0.3051,
0.3212

■ 33.4081, 0.5036,
0.4383

■ 79.3988, 0.2919,
0.3070

■ 84.1770, 0.2906,
0.3128

■ 88.9966, 0.2909,
0.3211

■ 93.7983, 0.2911,
0.3289

Harmonies

Analogous

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



50.3075, 0.4125, 0.3683



50.3075, 0.3965, 0.4022



50.3075, 0.3581, 0.4193

Triad

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



50.3075, 0.3965, 0.4022



50.3075, 0.2326, 0.3196



50.3075, 0.3098, 0.2639

Complementary

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



50.3075, 0.3965, 0.4022



33.2772, 0.2376, 0.2417

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.



50.3075, 0.2637, 0.2502



50.3075, 0.3965, 0.4022



50.3075, 0.2220, 0.2779

Square

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



50.3075, 0.3965, 0.4022



50.3075, 0.2637, 0.3697



50.3075, 0.2329, 0.2542



50.3075, 0.3604, 0.2918

Rectangle

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



50.3075, 0.3965, 0.4022



50.3075, 0.3259, 0.4155



50.3075, 0.2329, 0.2542



50.3075, 0.2932, 0.2575

Sweetspot

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



50.3099, 0.3965, 0.4022



90.5260, 0.3338, 0.3497



31.2160, 0.3847, 0.2841



19.0498, 0.3377, 0.3534



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.3099, 0.3965, 0.4022



65.9524, 0.4180, 0.4167



65.3825, 0.3697, 0.4422



14.4183, 0.3276, 0.3438



20.0273, 0.5020, 0.4396



1.4597, 0.4851, 0.4531

Inverse Universe

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



33.2772, 0.2376, 0.2417



38.9719, 0.2208, 0.2184



23.7230, 0.2375, 0.1929



13.3960, 0.2981, 0.3138



6.6604, 0.1660, 0.1177



0.5927, 0.1752, 0.1506

Previews

White Background



This preview shows how the Yxy color 50.3075, 0.3965, 0.4022 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 50.3075, 0.3965, 0.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

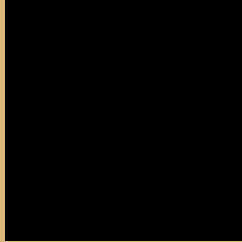
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.3075, 0.3965, 0.4022

Background



This preview shows how black text looks on a background with the Yxy color 50.3075, 0.3965, 0.4022.



This preview shows how white text looks on a background with the Yxy color 50.3075, 0.3965, 0.4022.

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

50.3075, 0.3965, 0.4022

Protanopia

50.3756, 0.3796, 0.4092

Deuteranopia

50.3786, 0.4046, 0.3957



Tritanopia

50.4595, 0.3473, 0.3142

Trichromacy



Original Color

50.3075, 0.3965, 0.4022

Protanomaly

50.2246, 0.3859, 0.4068

Deuteranomaly

50.3002, 0.4013, 0.3976

Tritanomaly

50.2091, 0.3652, 0.3456

Monochromacy



Original Color

50.3075, 0.3965, 0.4022

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.9043, 0.3424, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.3075, 0.3965, 0.4022 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(219, 183, 121)` looks like.

```
.text, #text, p{  
    color:rgb(219, 183, 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(219, 183, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 183, 121) }
```

Border

The CSS property to change the border of an element to Yxy 50.3075, 0.3965, 0.4022 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(219, 183, 121) }
```

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

```
.border{ border-color:rgb(219, 183, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 183, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 183, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 183, 121);  
box-shadow:4px 4px 4px 4px rgb(219, 183,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 50.3075, 0.3965, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 183, 121) }
```

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

```
.background{ background-color: rgb(219,  
183, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor