

Converting Colors

$Yxy(41.5725, 0.3338, 0.4227)$

Have a look what the booklet for
Yxy(41.5725, 0.3338, 0.4227)
contains.

Yxy(41.7071, 0.3334, 0.4226)	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(41.7071, 0.3334, 0.4226)

Conversions

Conversions Part 1

Format	Color
Hex	96B778
RGB	150, 183, 120
RGB Percent	59%, 72%, 47%
CMY	0.4117, 0.2824, 0.5295
CMYK	0.18, 0.00, 0.34, 0.28
HSL	91°, 30%, 59%
HSV	91°, 34%, 72%
XYZ	32.9038, 41.7071, 24.0808
YIQ	165.9510, 0.5550, -26.5890

Conversions

Conversions Part 2

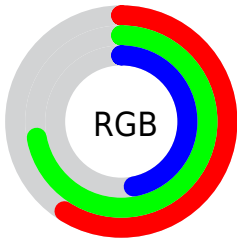
Format	Color
RYB	120, 183, 153
Decimal	9877368
CIELab	70.67, -22.49, 28.48
CIELCh	71, 36.290, 128.299
Yxy	41.7071, 0.3334, 0.4226
Android (android.graphics.Color)	4288067448 (0xFF96B778)
YUV	165.9510, -22.6538, -13.9890
Hunter-Lab	64.5810, -22.0717, 23.0989

Details

The Yxy color **41.7071, 0.3334, 0.4226** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **23.6176, 0.2843, 0.2365**, and the grayscale version is **38.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.7293, 0.3303, 0.4038**, and **19.0169, 0.3366, 0.4521** is the 20% darker color. If you saturate the color by 10%, you get **40.4343, 0.3381, 0.4526**, and if you desaturate by 10%, it is **43.1427, 0.3278, 0.3933**.

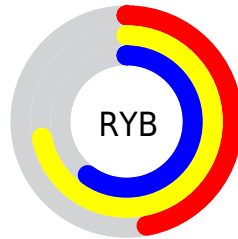
Distribution



Red (59%)

Green (72%)

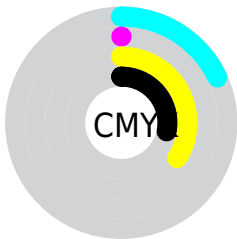
Blue (47%)



Red (47%)

Yellow (72%)

Blue (60%)

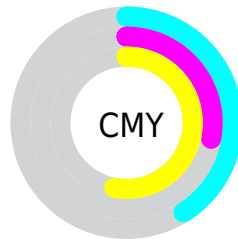


Cyan (18%)

Magenta (0%)

Yellow (34%)

Black (28%)



Cyan (41%)


Magenta (28%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7071, 0.3334, 0.4226 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 41.7071, 0.3334, 0.4226 by changing the saturation by 10% instead.


 41.7071, 0.3334,
0.4226


 41.7071, 0.3334,
0.4226


353.2673, 0.3242,
0.3732


 28.8720, 0.3352,
0.4357


 77.7561, 0.3304,
0.4040

 18.9840, 0.3371,
0.4529


 101.7389, 0.3291,
0.3973

 11.6587, 0.3390,
0.4765


 130.2063, 0.3281,
0.3916

 6.5118, 0.3399,
0.5103

163.5428, 0.3271,
0.3868

 3.1587, 0.3411,
0.5688

202.1327, 0.3262,
0.3826

 1.2151, 0.3206,
0.6794

246.3605, 0.3255,

 0.0740, 0.0000,

0.3791

1.0000

296.6106, 0.3248,
0.3759

■ 0.0000, 0.0000,
0.0000

■ 41.7071, 0.3334,
0.4226

■ 41.7071, 0.3334,
0.4226

■ 40.4343, 0.3381,
0.4526

■ 43.1427, 0.3278,
0.3933

■ 39.3123, 0.3415,
0.4821

■ 44.7418, 0.3218,
0.3655

■ 38.3357, 0.3433,
0.5097


■ 46.5121, 0.3155,
0.3397


■ 37.4965, 0.3430,
0.5340

■ 48.4590, 0.3092,
0.3162


■ 36.7860, 0.3407,
0.5535


■ 50.5878, 0.3032,
0.2948

 36.1936, 0.3363,
0.5673

 52.9035, 0.2974,
0.2757

 35.9042, 0.3335,
0.5734

 55.4109, 0.2919,
0.2587

 57.3591, 0.2944,
0.2537

 58.9567, 0.3016,
0.2553

Harmonies

Analogous

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



41.7071, 0.3814, 0.4187



41.7071, 0.3334, 0.4226



41.7071, 0.2821, 0.3942

Triad

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



41.7071, 0.3334, 0.4226



41.7071, 0.2208, 0.2593



41.7071, 0.3875, 0.3096

Complementary

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



41.7071, 0.3334, 0.4226



23.6176, 0.2843, 0.2365

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.



41.7071, 0.3383, 0.2746



41.7071, 0.3334, 0.4226



41.7071, 0.2436, 0.2458

Square

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



41.7071, 0.3334, 0.4226



41.7071, 0.2199, 0.2935



41.7071, 0.2853, 0.2519



41.7071, 0.4154, 0.3506

Rectangle

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



41.7071, 0.3334, 0.4226



41.7071, 0.2530, 0.3617



41.7071, 0.2853, 0.2519



41.7071, 0.3727, 0.2969

Sweetspot

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



41.7089, 0.3334, 0.4226



81.4472, 0.3191, 0.3543



34.0564, 0.3769, 0.3750



17.8925, 0.3200, 0.3579



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



41.7089, 0.3334, 0.4226



73.0187, 0.3369, 0.4443



39.2405, 0.3072, 0.4286



10.2644, 0.3186, 0.3521



25.0878, 0.3344, 0.5727



0.9213, 0.3550, 0.5563

Inverse Universe

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



23.6176, 0.2843, 0.2365



35.9064, 0.2765, 0.2153



26.8725, 0.3178, 0.2462



8.9444, 0.3064, 0.3059



4.1523, 0.2082, 0.0921



0.1830, 0.2364, 0.1076

Previews

White Background



This preview shows how the Yxy color 41.7071, 0.3334, 0.4226 looks on a white background.

Color Contrast Check

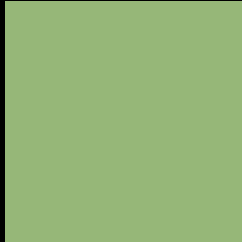
Large Text (above 18pt) WCAG AA × Fail

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 41.7071, 0.3334, 0.4226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

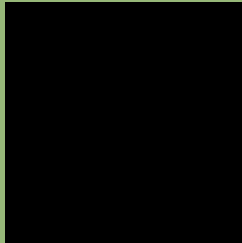
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7071, 0.3334, 0.4226

Background



This preview shows how black text looks on a background with the Yxy color 41.7071, 0.3334, 0.4226.



This preview shows how white text looks on a background with the Yxy color 41.7071, 0.3334, 0.4226.

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

41.7071, 0.3334, 0.4226

Protanopia

41.3308, 0.3757, 0.4044

Deuteranopia

41.3446, 0.3898, 0.3813



Tritanopia

41.7644, 0.2898, 0.3111

Trichromacy



Original Color

41.7071, 0.3334, 0.4226

Protanomaly

41.3337, 0.3604, 0.4116

Deuteranomaly

41.2494, 0.3677, 0.3956

Tritanomaly

41.5531, 0.3057, 0.3505

Monochromacy



Original Color

41.7071, 0.3334, 0.4226

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.1486, 0.3211, 0.3625

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7071, 0.3334, 0.4226 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(150, 183, 120)` looks like.

```
.text, #text, p{  
    color:rgb(150, 183, 120)  
}
```

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(150, 183, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 183, 120) }
```

Border

The CSS property to change the border of an element to Yxy 41.7071, 0.3334, 0.4226 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(150, 183, 120) }
```

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

```
.border{ border-color:rgb(150, 183, 120) }
```

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

Here you see how a box with a 4 pixel rgb(150, 183, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 183, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 183, 120);  
box-shadow:4px 4px 4px 4px rgb(150, 183,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 41.7071, 0.3334, 0.4226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 183, 120) }
```

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

```
.background{ background-color: rgb(150,  
183, 120) }
```

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