

Converting Colors

$Y_{xy}(42.1900, 0.3184, 0.3572)$

Have a look what the booklet for
Yxy(42.1900, 0.3184, 0.3572)
contains.

Yxy(42.4164, 0.3184, 0.3571)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.4164, 0.3184, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	A6B29E
RGB	166, 178, 158
RGB Percent	65%, 70%, 62%
CMY	0.3490, 0.3020, 0.3804
CMYK	0.07, 0.00, 0.11, 0.30
HSL	96°, 11%, 66%
HSV	96°, 11%, 70%
XYZ	37.8196, 42.4164, 38.5442
YIQ	172.1320, -0.7320, -8.7640

Conversions

Conversions Part 2

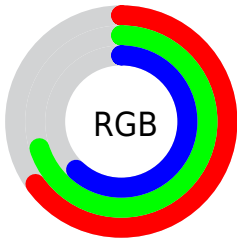
Format	Color
RYB	158, 178, 170
Decimal	10924702
CIELab	71.16, -7.92, 8.79
CIELCh	71, 11.831, 132.012
Yxy	42.4164, 0.3184, 0.3571
Android (android.graphics.Color)	4289114782 (0xFFA6B29E)
YUV	172.1320, -6.9671, -5.3778
Hunter-Lab	65.1279, -10.3192, 10.5003

Details

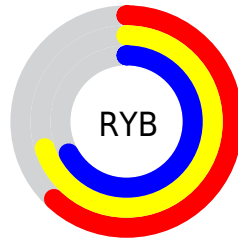
The Yxy color $42.4164, 0.3184, 0.3571$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $36.2164, 0.3064, 0.3012$, and the grayscale version is $41.3632, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.0219, 0.3171, 0.3516$, and $19.3062, 0.3195, 0.3644$ is the 20% darker color. If you saturate the color by 10%, you get $40.7426, 0.3233, 0.3846$, and if you desaturate by 10%, it is $44.2785, 0.3133, 0.3319$.

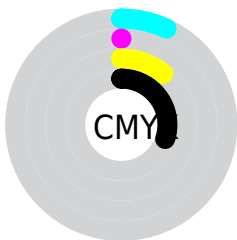
Distribution



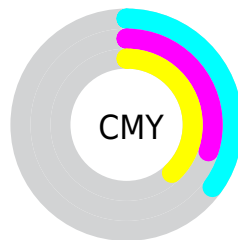
- Red (65%)
- Green (70%)
- Blue (62%)



- Red (62%)
- Yellow (70%)
- Blue (67%)



- Cyan (7%)
- Magenta (0%)
- Yellow (11%)
- Black (30%)



- Cyan (35%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4164, 0.3184, 0.3571 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 42.4164, 0.3184, 0.3571 by changing the saturation by 10% instead.

■ 42.4164, 0.3184,
0.3571

■ 42.4164, 0.3184,
0.3571

356.2062, 0.3156,
0.3426

■ 29.4275, 0.3191,
0.3609

■ 78.8294, 0.3174,
0.3517

■ 19.4044, 0.3199,
0.3658

■ 103.0224, 0.3170,
0.3497

■ 11.9629, 0.3210,
0.3725

131.7187, 0.3167,
0.3481

■ 6.7184, 0.3225,
0.3822

165.3029, 0.3164,
0.3467

■ 3.2866, 0.3245,
0.3975

204.1594, 0.3162,
0.3454

■ 1.2831, 0.3293,
0.4274

248.6725, 0.3160,

■ 0.1281, 0.0000,

0.3444

1.0000

299.2266, 0.3158,
0.3434

0.0000, 0.0000,
0.0000

42.4164, 0.3184,
0.3571

42.4164, 0.3184,
0.3571

40.7426, 0.3233,
0.3846

44.2785, 0.3133,
0.3319

39.2453, 0.3278,
0.4140

46.3291, 0.3083,
0.3092

37.9201, 0.3316,
0.4446

48.5756, 0.3034,
0.2888

36.7600, 0.3343,
0.4755

51.0234, 0.2987,
0.2707

35.7574, 0.3356,
0.5051

53.6774, 0.2943,
0.2546

■ 34.9044, 0.3351,
0.5318

■ 55.8947, 0.2969,
0.2491

■ 34.1919, 0.3328,
0.5540

■ 57.7161, 0.3051,
0.2510

■ 33.6095, 0.3288,
0.5704

■ 59.6475, 0.3134,
0.2530

■ 33.1902, 0.3243,
0.5807

■ 60.3213, 0.3163,
0.2536

Harmonies

Analogous

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



42.4164, 0.3342, 0.3587



42.4164, 0.3184, 0.3571



42.4164, 0.3014, 0.3474

Triad

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



42.4164, 0.3184, 0.3571



42.4164, 0.2818, 0.3053



42.4164, 0.3383, 0.3250

Complementary

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



42.4164, 0.3184, 0.3571



36.2164, 0.3064, 0.3012

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.



42.4164, 0.3236, 0.3117



42.4164, 0.3184, 0.3571



42.4164, 0.2911, 0.3003

Square

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



42.4164, 0.3184, 0.3571



42.4164, 0.2806, 0.3169



42.4164, 0.3063, 0.3027



42.4164, 0.3460, 0.3396

Rectangle

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



42.4164, 0.3184, 0.3571



42.4164, 0.2916, 0.3377



42.4164, 0.3063, 0.3027



42.4164, 0.3340, 0.3202

Sweetspot

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



42.4182, 0.3184, 0.3571



79.6560, 0.3143, 0.3363



40.5600, 0.3305, 0.3451



17.5861, 0.3147, 0.3383



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.4182, 0.3184, 0.3571



76.2899, 0.3194, 0.3624



41.6378, 0.3100, 0.3553



9.6505, 0.3174, 0.3521



23.7822, 0.3251, 0.5800



0.7827, 0.3487, 0.5613

Inverse Universe

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



36.2164, 0.3064, 0.3012



63.2273, 0.3052, 0.2961



37.0691, 0.3155, 0.3041



8.4737, 0.3076, 0.3061



4.5629, 0.2244, 0.1010



0.1764, 0.2516, 0.1160

Previews

White Background



This preview shows how the Yxy color 42.4164, 0.3184, 0.3571 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 42.4164, 0.3184, 0.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

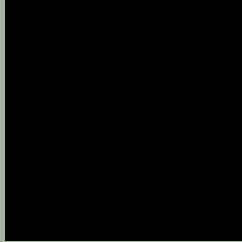
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

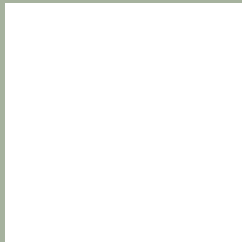
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.4164, 0.3184, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 42.4164, 0.3184, 0.3571.



This preview shows how white text looks on a background with the Yxy color 42.4164, 0.3184, 0.3571.

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

42.4164, 0.3184, 0.3571

Protanopia

42.1112, 0.3345, 0.3521

Deuteranopia

42.2791, 0.3462, 0.3395



Tritanopia

42.5179, 0.2997, 0.3115

Trichromacy



Original Color

42.4164, 0.3184, 0.3571

Protanomaly

42.3244, 0.3287, 0.3538

Deuteranomaly

42.3225, 0.3358, 0.3465

Tritanomaly

42.2295, 0.3067, 0.3276

Monochromacy



Original Color

42.4164, 0.3184, 0.3571

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.6082, 0.3149, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4164, 0.3184, 0.3571 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(166, 178, 158)` looks like.

```
.text, #text, p{  
    color:rgb(166, 178, 158)  
}
```

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(166, 178, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 178, 158) }
```

Border

The CSS property to change the border of an element to Yxy 42.4164, 0.3184, 0.3571 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(166, 178, 158) }
```

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

```
.border{ border-color:rgb(166, 178, 158) }
```

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

Here you see how a box with a 4 pixel rgb(166, 178, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 178, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 178, 158);  
box-shadow:4px 4px 4px 4px rgb(166, 178,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4164, 0.3184, 0.3571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 178, 158) }
```

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

```
.background{ background-color: rgb(166,  
178, 158) }
```

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