

Converting Colors

$Yxy(42.4949, 0.3226, 0.3707)$

Have a look what the booklet for
Yxy(42.4949, 0.3226, 0.3707)
contains.

Yxy(42.3347, 0.3230, 0.3702)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.3347, 0.3230, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	A4B396
RGB	164, 179, 150
RGB Percent	64%, 70%, 59%
CMY	0.3568, 0.2980, 0.4117
CMYK	0.08, 0.00, 0.16, 0.30
HSL	91°, 16%, 65%
HSV	91°, 16%, 70%
XYZ	36.9371, 42.3347, 35.0845
YIQ	171.2090, 0.3690, -12.1990

Conversions

Conversions Part 2

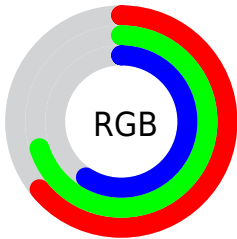
Format	Color
RYB	150, 179, 165
Decimal	10793878
CIELab	71.10, -10.56, 13.06
CIELCh	71, 16.795, 128.958
Yxy	42.3347, 0.3230, 0.3702
Android (android.graphics.Color)	4288983958 (0xFFA4B396)
YUV	171.2090, -10.4560, -6.3223
Hunter-Lab	65.0651, -12.5306, 13.5751

Details

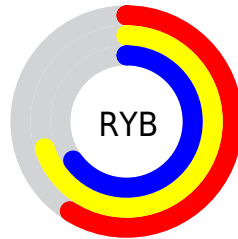
The Yxy color $42.3347, 0.3230, 0.3702$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $33.0723, 0.3010, 0.2880$, and the grayscale version is $40.8906, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8364, 0.3213, 0.3628$, and $19.2673, 0.3258, 0.3829$ is the 20% darker color. If you saturate the color by 10%, you get $40.8536, 0.3291, 0.3982$, and if you desaturate by 10%, it is $43.9793, 0.3167, 0.3441$.

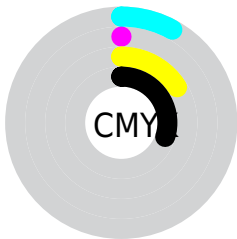
Distribution



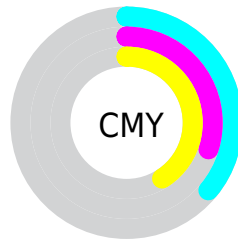
- Red (64%)
- Green (70%)
- Blue (59%)



- Red (59%)
- Yellow (70%)
- Blue (65%)



- Cyan (8%)
- Magenta (0%)
- Yellow (16%)
- Black (30%)



- Cyan (36%)
- Magenta (30%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3347, 0.3230, 0.3702 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 42.3347, 0.3230, 0.3702 by changing the saturation by 10% instead.


 42.3347, 0.3230,
0.3702

 42.3347, 0.3230,
0.3702

355.8685, 0.3180,
0.3488

 29.3635, 0.3242,
0.3758


 78.7059, 0.3212,
0.3623

 19.3559, 0.3257,
0.3831


 102.8747, 0.3205,
0.3593

 11.9278, 0.3276,
0.3931


131.5448, 0.3200,
0.3569

 6.6945, 0.3301,
0.4076

165.1006, 0.3195,
0.3548

 3.2718, 0.3333,
0.4305

203.9264, 0.3190,
0.3530

 1.2752, 0.3492,
0.4881

248.4068, 0.3186,

 0.1219, 0.0000,

0.3514

1.0000

298.9260, 0.3183,
0.3501

0.0000, 0.0000,
0.0000

42.3347, 0.3230,
0.3702

42.3347, 0.3230,
0.3702

40.8536, 0.3291,
0.3982

43.9793, 0.3167,
0.3441

39.5250, 0.3346,
0.4276

45.7871, 0.3103,
0.3202

38.3448, 0.3392,
0.4574

47.7648, 0.3041,
0.2985

37.3068, 0.3425,
0.4866

49.9172, 0.2982,
0.2790

36.4041, 0.3440,
0.5136

52.2488, 0.2926,
0.2616

■ 35.6292, 0.3435,
0.5370

■ 54.6074, 0.2889,
0.2483

■ 34.9736, 0.3409,
0.5555

■ 56.0884, 0.2959,
0.2499

■ 34.4263, 0.3363,
0.5684

■ 57.6506, 0.3031,
0.2516

■ 34.2390, 0.3344,
0.5726

■ 59.2953, 0.3102,
0.2532

Harmonies

Analogous

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



42.3347, 0.3451, 0.3708



42.3347, 0.3230, 0.3702



42.3347, 0.2988, 0.3572

Triad

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



42.3347, 0.3230, 0.3702



42.3347, 0.2685, 0.2966



42.3347, 0.3474, 0.3210

Complementary

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



42.3347, 0.3230, 0.3702



33.0723, 0.3010, 0.2880

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.



42.3347, 0.3256, 0.3030



42.3347, 0.3230, 0.3702



42.3347, 0.2804, 0.2889

Square

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



42.3347, 0.3230, 0.3702



42.3347, 0.2679, 0.3135



42.3347, 0.3010, 0.2914



42.3347, 0.3597, 0.3415

Rectangle

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



42.3347, 0.3230, 0.3702



42.3347, 0.2847, 0.3436



42.3347, 0.3010, 0.2914



42.3347, 0.3409, 0.3145

Sweetspot

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



42.3365, 0.3230, 0.3702



79.1091, 0.3160, 0.3413



38.6934, 0.3395, 0.3499



17.4787, 0.3164, 0.3431



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.



42.3365, 0.3230, 0.3702



74.9618, 0.3249, 0.3788



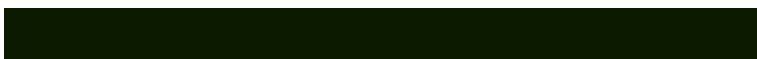
40.9441, 0.3103, 0.3710



9.6846, 0.3187, 0.3520



24.2330, 0.3353, 0.5720



0.7973, 0.3576, 0.5542

Inverse Universe

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



33.0723, 0.3010, 0.2880



55.5927, 0.2983, 0.2795



34.6365, 0.3150, 0.2903



8.4390, 0.3063, 0.3060



3.9679, 0.2071, 0.0915



0.1594, 0.2379, 0.1084

Previews

White Background



This preview shows how the Yxy color 42.3347, 0.3230, 0.3702 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 42.3347, 0.3230, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

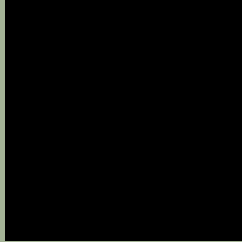
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

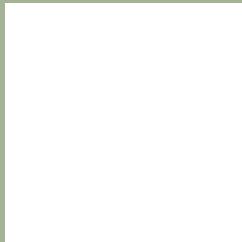
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.3347, 0.3230, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 42.3347, 0.3230, 0.3702.



This preview shows how white text looks on a background with the Yxy color 42.3347, 0.3230, 0.3702.

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

42.3347, 0.3230, 0.3702

Protanopia

42.0610, 0.3443, 0.3644

Deuteranopia

41.9102, 0.3558, 0.3486



Tritanopia

42.4490, 0.2980, 0.3102

Trichromacy



Original Color

42.3347, 0.3230, 0.3702

Protanomaly

42.0282, 0.3363, 0.3664

Deuteranomaly

41.7993, 0.3441, 0.3560

Tritanomaly

42.4315, 0.3074, 0.3317

Monochromacy



Original Color

42.3347, 0.3230, 0.3702

Achromatopsia

40.7240, 0.3127, 0.3290

Achromatomaly

41.2413, 0.3165, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3347, 0.3230, 0.3702 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(164, 179, 150)` looks like.

```
.text, #text, p{  
    color:rgb(164, 179, 150)  
}
```

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(164, 179, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 179, 150) }
```

Border

The CSS property to change the border of an element to Yxy 42.3347, 0.3230, 0.3702 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(164, 179, 150) }
```

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

```
.border{ border-color:rgb(164, 179, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 179, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 179, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 179, 150);  
box-shadow:4px 4px 4px 4px rgb(164, 179,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3347, 0.3230, 0.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 179, 150) }
```

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

```
.background{ background-color: rgb(164,  
179, 150) }
```

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