

Converting Colors

$Y_{xy}(47.8951, 0.3405, 0.4070)$

Have a look what the booklet for
Yxy(47.8951, 0.3405, 0.4070)
contains.

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Color

Yxy(47.7535, 0.3404, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	ACBF86
RGB	172, 191, 134
RGB Percent	67%, 75%, 53%
CMY	0.3254, 0.2510, 0.4746
CMYK	0.10, 0.00, 0.30, 0.25
HSL	80°, 31%, 64%
HSV	80°, 30%, 75%
XYZ	39.9491, 47.7535, 29.6567
YIQ	178.8210, 6.9730, -21.7550

Conversions

Conversions Part 2

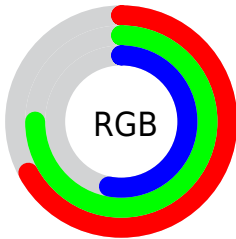
Format	Color
RYB	134, 191, 153
Decimal	11321222
CIELab	74.67, -16.28, 26.68
CIELCh	75, 31.257, 121.389
Yxy	47.7535, 0.3404, 0.4069
Android (android.graphics.Color)	4289511302 (0xFFACBF86)
YUV	178.8210, -22.0968, -5.9820
Hunter-Lab	69.1039, -17.7406, 22.9278

Details

The Yxy color $47.7535, 0.3404, 0.4069$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $27.5733, 0.2783, 0.2471$, and the grayscale version is $45.0978, 0.3127, 0.3290$.

A 20% lighter version of the original color is $86.6463, 0.3358, 0.3914$, and $22.7390, 0.3462, 0.4303$ is the 20% darker color. If you saturate the color by 10%, you get $46.5677, 0.3488, 0.4346$, and if you desaturate by 10%, it is $49.0742, 0.3313, 0.3796$.

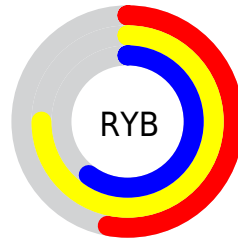
Distribution



Red (67%)

Green (75%)

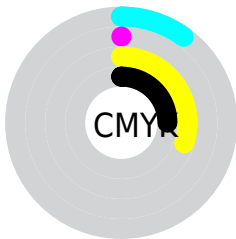
Blue (53%)



Red (53%)

Yellow (75%)

Blue (60%)

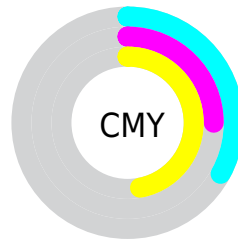


Cyan (10%)

Magenta (0%)

Yellow (30%)

Black (25%)



Cyan (33%)


Magenta (25%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7535, 0.3404, 0.4069 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 47.7535, 0.3404, 0.4069 by changing the saturation by 10% instead.


 47.7535, 0.3404,
0.4069


 47.7535, 0.3404,
0.4069

377.8142, 0.3274,
0.3671

 33.6317, 0.3433,
0.4170


 86.8373, 0.3359,
0.3923

 22.6108, 0.3467,
0.4301


 112.5681, 0.3342,
0.3868

 14.3064, 0.3509,
0.4477


 142.9373, 0.3327,
0.3822

 8.3341, 0.3557,
0.4721

178.3294, 0.3314,
0.3783

 4.3095, 0.3605,
0.5080

219.1288, 0.3302,
0.3749

 1.8481, 0.3905,
0.6095

265.7197, 0.3292,

 0.5169, 0.1537,

0.3720

0.8463

318.4868, 0.3283,
0.3694

0.0000, 0.0000,
0.0000

47.7535, 0.3404,
0.4069

47.7535, 0.3404,
0.4069

46.5677, 0.3488,
0.4346

49.0742, 0.3313,
0.3796

45.5047, 0.3561,
0.4618

50.5287, 0.3219,
0.3533

44.5607, 0.3617,
0.4872

52.1241, 0.3126,
0.3287

43.7286, 0.3653,
0.5096

53.8650, 0.3035,
0.3058

43.0010, 0.3664,
0.5280

55.7559, 0.2949,
0.2850

■ 42.3686, 0.3651,
0.5415

■ 57.8009, 0.2867,
0.2661

■ 41.8147, 0.3618,
0.5509

■ 59.1604, 0.2871,
0.2607

■ 41.8071, 0.3617,
0.5510

■ 60.1506, 0.2917,
0.2616

■ 61.1787, 0.2964,
0.2625

Harmonies

Analogous

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



47.7535, 0.3776, 0.3996



47.7535, 0.3404, 0.4069



47.7535, 0.2974, 0.3892

Triad

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



47.7535, 0.3404, 0.4069



47.7535, 0.2339, 0.2767



47.7535, 0.3661, 0.3058

Complementary

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



47.7535, 0.3404, 0.4069



27.5733, 0.2783, 0.2471

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.



47.7535, 0.3238, 0.2780



47.7535, 0.3404, 0.4069



47.7535, 0.2492, 0.2606

Square

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



47.7535, 0.3404, 0.4069



47.7535, 0.2377, 0.3092



47.7535, 0.2811, 0.2617



47.7535, 0.3939, 0.3400

Rectangle

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



47.7535, 0.3404, 0.4069



47.7535, 0.2713, 0.3655



47.7535, 0.2811, 0.2617



47.7535, 0.3529, 0.2955

Sweetspot

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



47.7556, 0.3404, 0.4069



90.6918, 0.3212, 0.3515



35.2646, 0.3714, 0.3538



19.8268, 0.3226, 0.3553



97.7402, 0.3127, 0.3290



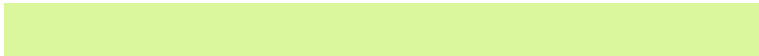
20.4902, 0.3127, 0.3290

Same Dimension

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



47.7556, 0.3404, 0.4069



84.0761, 0.3462, 0.4255



44.9507, 0.3170, 0.4129



10.9571, 0.3214, 0.3520



27.5202, 0.3625, 0.5504



1.1123, 0.3765, 0.5393

Inverse Universe

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



27.5733, 0.2783, 0.2471



41.9785, 0.2686, 0.2262



30.5743, 0.3055, 0.2533



9.3755, 0.3034, 0.3056



3.2187, 0.1755, 0.0741



0.1626, 0.2039, 0.0897

Previews

White Background



This preview shows how the Yxy color 47.7535, 0.3404, 0.4069 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 47.7535, 0.3404, 0.4069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

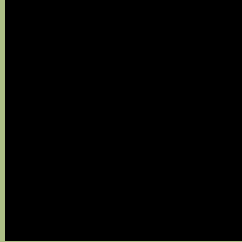
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7535, 0.3404, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 47.7535, 0.3404, 0.4069.



This preview shows how white text looks on a background with the Yxy color 47.7535, 0.3404, 0.4069.

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

47.7535, 0.3404, 0.4069

Protanopia

47.5114, 0.3689, 0.3955

Deuteranopia

47.4557, 0.3835, 0.3764



Tritanopia

47.7219, 0.3003, 0.3111

Trichromacy



Original Color

47.7535, 0.3404, 0.4069

Protanomaly

47.6026, 0.3587, 0.3998

Deuteranomaly

47.1047, 0.3674, 0.3864

Tritanomaly

47.6388, 0.3153, 0.3449

Monochromacy



Original Color

47.7535, 0.3404, 0.4069

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.7414, 0.3226, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7535, 0.3404, 0.4069 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(172, 191, 134)` looks like.

```
.text, #text, p{  
    color:rgb(172, 191, 134)  
}
```

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(172, 191, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 191, 134) }
```

Border

The CSS property to change the border of an element to Yxy 47.7535, 0.3404, 0.4069 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(172, 191, 134) }
```

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

```
.border{ border-color:rgb(172, 191, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 191, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 191, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 191, 134);  
box-shadow:4px 4px 4px 4px rgb(172, 191,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7535, 0.3404, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 191, 134) }
```

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

```
.background{ background-color: rgb(172,  
191, 134) }
```

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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