

Converting Colors

$Y_{xy}(42.1875, 0.3483, 0.4041)$

Have a look what the booklet for
Yxy(42.1875, 0.3483, 0.4041)
contains.

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Color

Yxy(42.2926, 0.3481, 0.4038)

Conversions

Conversions Part 1

Format	Color
Hex	AAB37E
RGB	170, 179, 126
RGB Percent	67%, 70%, 49%
CMY	0.3335, 0.2980, 0.5058
CMYK	0.05, 0.00, 0.30, 0.30
HSL	70°, 26%, 60%
HSV	70°, 30%, 70%
XYZ	36.4588, 42.2926, 25.9851
YIQ	170.2670, 11.6490, -18.3910

Conversions

Conversions Part 2

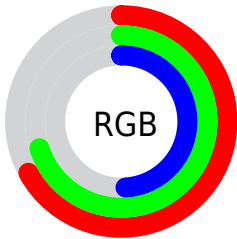
Format	Color
RYB	126, 179, 135
Decimal	11187070
CIELab	71.07, -12.02, 26.07
CIELCh	71, 28.705, 114.750
Yxy	42.2926, 0.3481, 0.4038
Android (android.graphics.Color)	4289377150 (0xFFAAB37E)
YUV	170.2670, -21.8236, -0.2342
Hunter-Lab	65.0328, -13.7364, 21.8324

Details

The Yxy color $42.2926, 0.3481, 0.4038$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $23.3371, 0.2702, 0.2463$, and the grayscale version is $40.4442, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.8401, 0.3422, 0.3898$, and $19.2254, 0.3576, 0.4270$ is the 20% darker color. If you saturate the color by 10%, you get $41.5363, 0.3594, 0.4296$, and if you desaturate by 10%, it is $43.1433, 0.3362, 0.3778$.

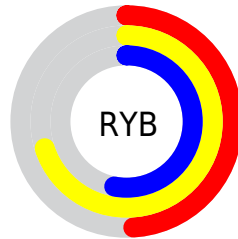
Distribution



Red (67%)

Green (70%)

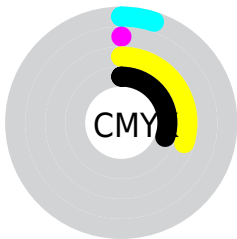
Blue (49%)



Red (49%)

Yellow (70%)

Blue (53%)

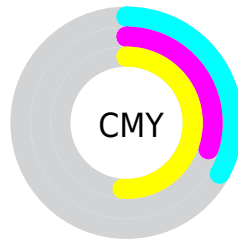


Cyan (5%)

Magenta (0%)

Yellow (30%)

Black (30%)



Cyan (33%)


Magenta (30%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2926, 0.3481, 0.4038 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 42.2926, 0.3481, 0.4038 by changing the saturation by 10% instead.


 42.2926, 0.3481,
0.4038


 42.2926, 0.3481,
0.4038

355.6944, 0.3308,
0.3651


 29.3305, 0.3522,
0.4138


 78.6423, 0.3420,
0.3894

 19.3310, 0.3572,
0.4268


 102.7986, 0.3396,
0.3841

 11.9097, 0.3634,
0.4444


 131.4551, 0.3376,
0.3797

 6.6822, 0.3712,
0.4691

164.9962, 0.3359,
0.3759

 3.2642, 0.3813,
0.5072

203.8063, 0.3344,
0.3726

 1.2711, 0.4069,
0.5931

248.2698, 0.3331,

 0.1187, 0.0000,

0.3698

1.0000

298.7710, 0.3319,
0.3673

0.0000, 0.0000,
0.0000

42.2926, 0.3481,
0.4038

42.2926, 0.3481,
0.4038

41.5363, 0.3594,
0.4296

43.1433, 0.3362,
0.3778

40.8643, 0.3696,
0.4542

44.0868, 0.3241,
0.3524

40.2735, 0.3782,
0.4766

45.1290, 0.3123,
0.3281

39.7587, 0.3847,
0.4958

46.2734, 0.3008,
0.3052

39.3135, 0.3887,
0.5109

47.5235, 0.2900,
0.2841

■ 38.9309, 0.3902,
0.5217

■ 48.8826, 0.2799,
0.2647

■ 38.5966, 0.3896,
0.5286

■ 50.3538, 0.2706,
0.2470

■ 38.5838, 0.3895,
0.5289

■ 50.9896, 0.2705,
0.2440

■ 51.3992, 0.2727,
0.2445

Harmonies

Analogous

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



42.2926, 0.3809, 0.3924



42.2926, 0.3481, 0.4038



42.2926, 0.3072, 0.3922

Triad

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



42.2926, 0.3481, 0.4038



42.2926, 0.2363, 0.2847



42.2926, 0.3556, 0.3002

Complementary

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



42.2926, 0.3481, 0.4038



23.3371, 0.2702, 0.2463

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.



42.2926, 0.3140, 0.2754



42.2926, 0.3481, 0.4038



42.2926, 0.2470, 0.2654

Square

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



42.2926, 0.3481, 0.4038



42.2926, 0.2441, 0.3187



42.2926, 0.2746, 0.2628



42.2926, 0.3862, 0.3322

Rectangle

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



42.2926, 0.3481, 0.4038



42.2926, 0.2810, 0.3720



42.2926, 0.2746, 0.2628



42.2926, 0.3423, 0.2908

Sweetspot

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



42.2945, 0.3481, 0.4038



79.0262, 0.3236, 0.3513



28.3778, 0.3737, 0.3420



17.4516, 0.3253, 0.3549



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.



42.2945, 0.3481, 0.4038



74.7687, 0.3561, 0.4219



39.6529, 0.3239, 0.4099



9.8318, 0.3238, 0.3517



27.2854, 0.3899, 0.5286



0.8779, 0.3986, 0.5217

Inverse Universe

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



23.3371, 0.2702, 0.2463



34.9324, 0.2580, 0.2236



25.7942, 0.2972, 0.2524



8.2976, 0.3010, 0.3056



2.5211, 0.1584, 0.0646



0.1005, 0.1823, 0.0778

Previews

White Background



This preview shows how the Yxy color 42.2926, 0.3481, 0.4038 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 42.2926, 0.3481, 0.4038 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

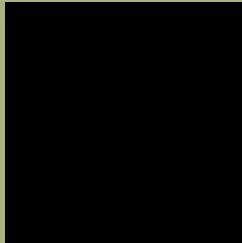
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2926, 0.3481, 0.4038

Background



This preview shows how black text looks on a background with the Yxy color 42.2926, 0.3481, 0.4038.



This preview shows how white text looks on a background with the Yxy color 42.2926, 0.3481, 0.4038.

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

42.2926, 0.3481, 0.4038

Protanopia

42.2921, 0.3679, 0.3963

Deuteranopia

42.2015, 0.3842, 0.3774



Tritanopia

42.0936, 0.3074, 0.3104

Trichromacy



Original Color

42.2926, 0.3481, 0.4038

Protanomaly

42.3551, 0.3605, 0.3988

Deuteranomaly

41.8908, 0.3706, 0.3862

Tritanomaly

42.0664, 0.3219, 0.3427

Monochromacy



Original Color

42.2926, 0.3481, 0.4038

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.7663, 0.3260, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2926, 0.3481, 0.4038 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(170, 179, 126)` looks like.

```
.text, #text, p{  
    color:rgb(170, 179, 126)  
}
```

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(170, 179, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 179, 126) }
```

Border

The CSS property to change the border of an element to Yxy 42.2926, 0.3481, 0.4038 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(170, 179, 126) }
```

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

```
.border{ border-color:rgb(170, 179, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 179, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 179, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 179, 126);  
box-shadow:4px 4px 4px 4px rgb(170, 179,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2926, 0.3481, 0.4038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 179, 126) }
```

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

```
.background{ background-color: rgb(170,  
179, 126) }
```

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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