

Converting Colors

$Yxy(42.8566, 0.3291, 0.3803)$

Have a look what the booklet for
Yxy(42.8566, 0.3291, 0.3803)
contains.

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Color

Yxy(42.7631, 0.3295, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	A6B490
RGB	166, 180, 144
RGB Percent	65%, 71%, 56%
CMY	0.3491, 0.2941, 0.4352
CMYK	0.08, 0.00, 0.20, 0.29
HSL	83°, 19%, 64%
HSV	83°, 20%, 71%
XYZ	37.0801, 42.7631, 32.6913
YIQ	171.7100, 3.2120, -14.1640

Conversions

Conversions Part 2

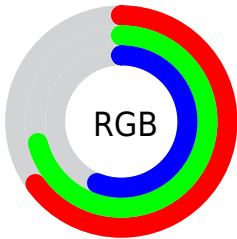
Format	Color
RYB	144, 180, 158
Decimal	10925200
CIELab	71.39, -11.35, 16.76
CIELCh	71, 20.240, 124.116
Yxy	42.7631, 0.3295, 0.3800
Android (android.graphics.Color)	4289115280 (0xFFA6B490)
YUV	171.7100, -13.6610, -5.0077
Hunter-Lab	65.3935, -13.2237, 16.1354

Details

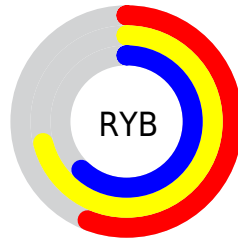
The Yxy color $42.7631, 0.3295, 0.3800$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $30.5197, 0.2933, 0.2769$, and the grayscale version is $41.1702, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.4403, 0.3263, 0.3703$, and $19.5465, 0.3347, 0.3964$ is the 20% darker color. If you saturate the color by 10%, you get $41.5205, 0.3376, 0.4077$, and if you desaturate by 10%, it is $44.1386, 0.3211, 0.3536$.

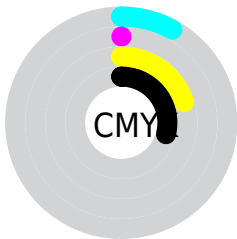
Distribution



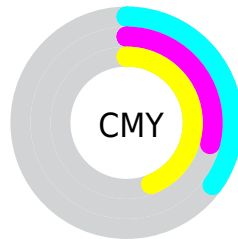
- Red (65%)
- Green (71%)
- Blue (56%)



- Red (56%)
- Yellow (71%)
- Blue (62%)



- Cyan (8%)
- Magenta (0%)
- Yellow (20%)
- Black (29%)





- Cyan (35%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7631, 0.3295, 0.3800 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 42.7631, 0.3295, 0.3800 by changing the saturation by 10% instead.


 42.7631, 0.3295,
0.3800

 42.7631, 0.3295,
0.3800


357.6366, 0.3213,
0.3536

 29.6993, 0.3315,
0.3869


 79.3532, 0.3266,
0.3702

 19.6104, 0.3339,
0.3959


 103.6484, 0.3255,
0.3666

 12.1122, 0.3370,
0.4082


132.4560, 0.3245,
0.3635

 6.8201, 0.3411,
0.4260

166.1607, 0.3237,
0.3609

 3.3499, 0.3463,
0.4535

205.1467, 0.3230,
0.3587

 1.3170, 0.3783,
0.5390

249.7984, 0.3224,

 0.1543, 0.0000,

0.3568

1.0000

300.5002, 0.3218,
0.3551

0.0000, 0.0000,
0.0000

42.7631, 0.3295,
0.3800

42.7631, 0.3295,
0.3800

41.5205, 0.3376,
0.4077

44.1386, 0.3211,
0.3536

40.4002, 0.3450,
0.4359

45.6458, 0.3127,
0.3290

39.3991, 0.3513,
0.4638

47.2908, 0.3045,
0.3063

38.5116, 0.3559,
0.4902

49.0778, 0.2967,
0.2856

37.7314, 0.3586,
0.5137

51.0106, 0.2893,
0.2670

■ 37.0517, 0.3589,
0.5331

■ 53.0928, 0.2824,
0.2502

■ 36.4644, 0.3568,
0.5477

■ 54.3225, 0.2856,
0.2486

■ 35.9535, 0.3529,
0.5580

■ 55.4073, 0.2909,
0.2498

■ 35.9532, 0.3529,
0.5580

■ 56.5381, 0.2962,
0.2510

Harmonies

Analogous

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



42.7631, 0.3550, 0.3778



42.7631, 0.3295, 0.3800



42.7631, 0.3003, 0.3666

Triad

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



42.7631, 0.3295, 0.3800



42.7631, 0.2589, 0.2925



42.7631, 0.3507, 0.3155

Complementary

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



42.7631, 0.3295, 0.3800



30.5197, 0.2933, 0.2769

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.



42.7631, 0.3233, 0.2953



42.7631, 0.3295, 0.3800



42.7631, 0.2709, 0.2818

Square

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



42.7631, 0.3295, 0.3800



42.7631, 0.2605, 0.3142



42.7631, 0.2941, 0.2830



42.7631, 0.3679, 0.3397

Rectangle

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



42.7631, 0.3295, 0.3800



42.7631, 0.2828, 0.3508



42.7631, 0.2941, 0.2830



42.7631, 0.3424, 0.3081

Sweetspot

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



42.7650, 0.3295, 0.3800



81.0603, 0.3178, 0.3438



36.1080, 0.3479, 0.3485



17.4829, 0.3184, 0.3454



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.



42.7650, 0.3295, 0.3800



76.5108, 0.3331, 0.3921



40.9753, 0.3138, 0.3825



9.7381, 0.3205, 0.3519



25.1308, 0.3537, 0.5574



0.8232, 0.3723, 0.5426

Inverse Universe

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



30.5197, 0.2933, 0.2769



50.2444, 0.2882, 0.2642



32.4547, 0.3108, 0.2796



8.3862, 0.3044, 0.3059



3.2480, 0.1842, 0.0788



0.1365, 0.2180, 0.0975

Previews

White Background



This preview shows how the Yxy color 42.7631, 0.3295, 0.3800 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 42.7631, 0.3295, 0.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

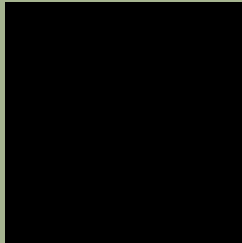
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

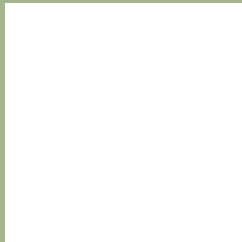
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.7631, 0.3295, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 42.7631, 0.3295, 0.3800.



This preview shows how white text looks on a background with the Yxy color 42.7631, 0.3295, 0.3800.

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

42.7631, 0.3295, 0.3800

Protanopia

42.5095, 0.3512, 0.3737

Deuteranopia

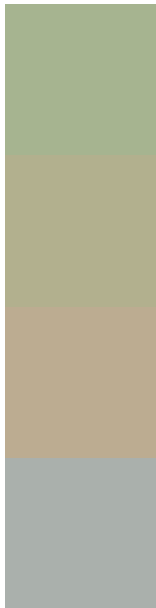
42.4981, 0.3640, 0.3574



Tritanopia

42.6736, 0.2997, 0.3103

Trichromacy



Original Color

42.7631, 0.3295, 0.3800

Protanomaly

42.4686, 0.3431, 0.3759

Deuteranomaly

42.2407, 0.3511, 0.3653

Tritanomaly

42.5753, 0.3107, 0.3345

Monochromacy



Original Color

42.7631, 0.3295, 0.3800

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

41.8146, 0.3190, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7631, 0.3295, 0.3800 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, 180, 144)` looks like.

```
.text, #text, p{  
    color:rgb(166, 180, 144)  
}
```

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, 180, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 180, 144) }
```

Border

The CSS property to change the border of an element to Yxy 42.7631, 0.3295, 0.3800 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, 180, 144) }
```

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

```
.border{ border-color:rgb(166, 180, 144) }
```

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

Here you see how a box with a 4 pixel rgb(166, 180, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 180, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 180, 144);  
box-shadow:4px 4px 4px 4px rgb(166, 180,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7631, 0.3295, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 180, 144) }
```

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

```
.background{ background-color: rgb(166,  
180, 144) }
```

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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