

Converting Colors

$Yxy(41.9008, 0.3315, 0.3803)$

Have a look what the booklet for
Yxy(41.9008, 0.3315, 0.3803)
contains.

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Color

Yxy(41.9008, 0.3315, 0.3803)

Conversions

Conversions Part 1

Format	Color
Hex	A6B28E
RGB	166, 178, 142
RGB Percent	65%, 70%, 56%
CMY	0.3491, 0.3019, 0.4431
CMYK	0.07, 0.00, 0.20, 0.30
HSL	80°, 19%, 63%
HSV	80°, 20%, 70%
XYZ	36.5241, 41.9008, 31.7534
YIQ	170.3080, 4.4040, -13.7400

Conversions

Conversions Part 2

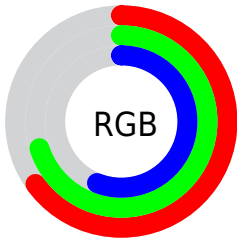
Format	Color
RYB	142, 178, 154
Decimal	10924686
CIELab	70.80, -10.64, 17.03
CIELCh	71, 20.080, 121.992
Yxy	41.9008, 0.3315, 0.3803
Android (android.graphics.Color)	4289114766 (0xFFA6B28E)
YUV	170.3080, -13.9558, -3.7781
Hunter-Lab	64.7308, -12.5611, 16.2272

Details

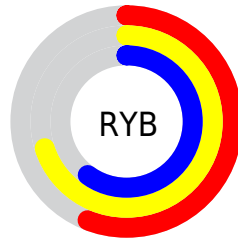
The Yxy color $41.9008, 0.3315, 0.3803$ is a light color, and the websafe version is hex 999966 . A complement of this color would be $29.4351, 0.2911, 0.2760$, and the grayscale version is $40.4282, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.2033, 0.3279, 0.3705$, and $19.0173, 0.3365, 0.3948$ is the 20% darker color. If you saturate the color by 10%, you get $40.7816, 0.3405, 0.4075$, and if you desaturate by 10%, it is $43.1389, 0.3222, 0.3541$.

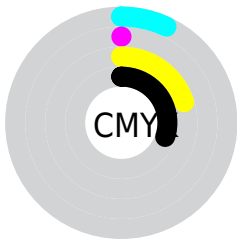
Distribution



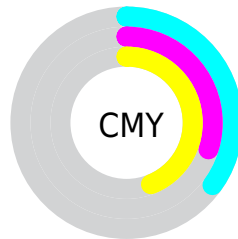
- Red (65%)
- Green (70%)
- Blue (56%)



- Red (56%)
- Yellow (70%)
- Blue (60%)



- Cyan (7%)
- Magenta (0%)
- Yellow (20%)
- Black (30%)



- Cyan (35%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9008, 0.3315, 0.3803 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 41.9008, 0.3315, 0.3803 by changing the saturation by 10% instead.


 41.9008, 0.3315,
0.3803

 41.9008, 0.3315,
0.3803


354.0716, 0.3223,
0.3537


 29.0236, 0.3337,
0.3873


 78.0495, 0.3282,
0.3704

 19.0987, 0.3365,
0.3964


 102.0897, 0.3269,
0.3667

 11.7416, 0.3401,
0.4089


 130.6199, 0.3259,
0.3637

 6.5680, 0.3449,
0.4269

164.0242, 0.3249,
0.3611

 3.1934, 0.3511,
0.4549

202.6871, 0.3241,
0.3588

 1.2335, 0.3948,
0.5550

246.9931, 0.3234,

 0.0888, 0.0000,

0.3569

1.0000

297.3264, 0.3228,
0.3552

0.0000, 0.0000,
0.0000

41.9008, 0.3315,
0.3803

41.9008, 0.3315,
0.3803

40.7816, 0.3405,
0.4075

43.1389, 0.3222,
0.3541

39.7712, 0.3489,
0.4352

44.4945, 0.3129,
0.3295

38.8668, 0.3561,
0.4622

45.9733, 0.3039,
0.3068

38.0632, 0.3616,
0.4875

47.5792, 0.2953,
0.2859

37.3546, 0.3651,
0.5098

49.3156, 0.2872,
0.2670

■ 36.7345, 0.3662,
0.5281

■ 51.1860, 0.2796,
0.2500

■ 36.1953, 0.3649,
0.5416

■ 52.4231, 0.2800,
0.2451

■ 35.7317, 0.3618,
0.5510

■ 53.3002, 0.2844,
0.2462

■ 54.2100, 0.2889,
0.2472

Harmonies

Analogous

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



41.9008, 0.3564, 0.3771



41.9008, 0.3315, 0.3803



41.9008, 0.3024, 0.3680

Triad

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



41.9008, 0.3315, 0.3803



41.9008, 0.2587, 0.2938



41.9008, 0.3490, 0.3139

Complementary

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



41.9008, 0.3315, 0.3803



29.4351, 0.2911, 0.2760

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.



41.9008, 0.3212, 0.2941



41.9008, 0.3315, 0.3803



41.9008, 0.2697, 0.2822

Square

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



41.9008, 0.3315, 0.3803



41.9008, 0.2612, 0.3160



41.9008, 0.2922, 0.2826



41.9008, 0.3671, 0.3380

Rectangle

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



41.9008, 0.3315, 0.3803



41.9008, 0.2845, 0.3526



41.9008, 0.2922, 0.2826



41.9008, 0.3404, 0.3066

Sweetspot

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



41.9026, 0.3315, 0.3803



79.2051, 0.3184, 0.3438



34.5321, 0.3489, 0.3462



17.5134, 0.3189, 0.3454



91.1408, 0.3127, 0.3290



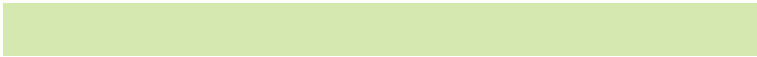
17.8868, 0.3127, 0.3290

Same Dimension

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



41.9026, 0.3315, 0.3803



75.1004, 0.3353, 0.3916



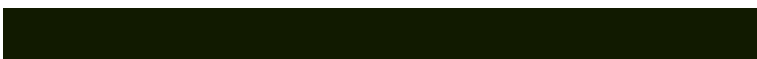
40.0949, 0.3154, 0.3829



9.7615, 0.3214, 0.3518



25.5979, 0.3624, 0.5505



0.8358, 0.3788, 0.5374

Inverse Universe

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



29.4351, 0.2911, 0.2760



48.6197, 0.2858, 0.2638



31.3328, 0.3089, 0.2788



8.3636, 0.3035, 0.3058



3.0079, 0.1760, 0.0743



0.1274, 0.2095, 0.0928

Previews

White Background



This preview shows how the Yxy color 41.9008, 0.3315, 0.3803 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 41.9008, 0.3315, 0.3803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

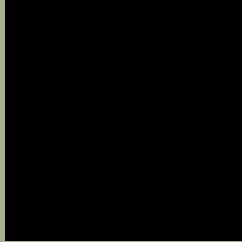
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9008, 0.3315, 0.3803

Background



This preview shows how black text looks on a background with the Yxy color 41.9008, 0.3315, 0.3803.



This preview shows how white text looks on a background with the Yxy color 41.9008, 0.3315, 0.3803.

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

41.9008, 0.3315, 0.3803

Protanopia

41.9416, 0.3523, 0.3753

Deuteranopia

41.5654, 0.3656, 0.3576



Tritanopia

41.8209, 0.3013, 0.3102

Trichromacy



Original Color

41.9008, 0.3315, 0.3803

Protanomaly

41.9005, 0.3442, 0.3775

Deuteranomaly

41.4240, 0.3535, 0.3654

Tritanomaly

41.7204, 0.3125, 0.3345

Monochromacy



Original Color

41.9008, 0.3315, 0.3803

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.8602, 0.3200, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9008, 0.3315, 0.3803 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(166, 178, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 178, 142) }
```

Border

The CSS property to change the border of an element to Yxy 41.9008, 0.3315, 0.3803 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, 142) }
```

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

```
.border{ border-color:rgb(166, 178, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 178, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 178, 142);  
box-shadow:4px 4px 4px 4px rgb(166, 178,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9008, 0.3315, 0.3803 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, 142) }
```

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

```
.background{ background-color: rgb(166,  
178, 142) }
```

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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