

Converting Colors

$Yxy(42.4057, 0.2976, 0.3991)$

Have a look what the booklet for
Yxy(42.4057, 0.2976, 0.3991)
contains.

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Color

Yxy(42.4315, 0.2978, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	7FBC8E
RGB	127, 188, 142
RGB Percent	50%, 74%, 56%
CMY	0.5021, 0.2627, 0.4432
CMYK	0.32, 0.00, 0.24, 0.26
HSL	135°, 31%, 62%
HSV	135°, 32%, 74%
XYZ	31.6140, 42.4315, 32.1129
YIQ	164.5170, -21.5900, -27.2380

Conversions

Conversions Part 2

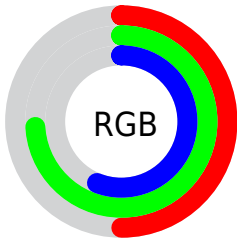
Format	Color
RYB	127, 176, 188
Decimal	8371342
CIELab	71.17, -29.29, 17.16
CIELCh	71, 33.947, 149.635
Yxy	42.4315, 0.2978, 0.3997
Android (android.graphics.Color)	4286561422 (0xFF7FBC8E)
YUV	164.5170, -11.1009, -32.9024
Hunter-Lab	65.1395, -27.3631, 16.3684

Details

The Yxy color $42.4315, 0.2978, 0.3997$ is a dark color, and the websafe version is hex $99CC99$. A complement of this color would be $28.8792, 0.3322, 0.2675$, and the grayscale version is $37.4427, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.1141, 0.3008, 0.3859$, and $19.3188, 0.2915, 0.4216$ is the 20% darker color. If you saturate the color by 10%, you get $40.7234, 0.2939, 0.4262$, and if you desaturate by 10%, it is $44.4667, 0.3022, 0.3752$.

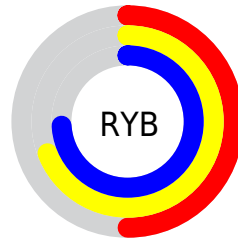
Distribution



Red (50%)

Green (74%)

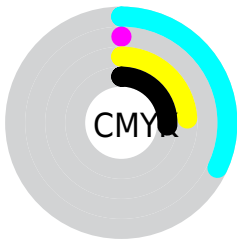
Blue (56%)



Red (50%)

Yellow (69%)

Blue (74%)

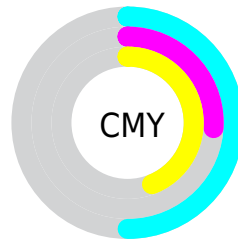


Cyan (32%)

Magenta (0%)

Yellow (24%)

Black (26%)



Cyan (50%)


Magenta (26%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4315, 0.2978, 0.3997 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 42.4315, 0.2978, 0.3997 by changing the saturation by 10% instead.


 42.4315, 0.2978,
0.3997

 42.4315, 0.2978,
0.3997


356.2686, 0.3062,
0.3622

 29.4393, 0.2954,
0.4098


 78.8523, 0.3011,
0.3856

 19.4134, 0.2921,
0.4232


 103.0496, 0.3022,
0.3804

 11.9694, 0.2872,
0.4418


 131.7509, 0.3032,
0.3761

 6.7228, 0.2797,
0.4693

165.3403, 0.3040,
0.3725

 3.2894, 0.2665,
0.5139

204.2024, 0.3047,
0.3694

 1.2846, 0.2433,
0.6793

248.7216, 0.3052,

 0.1292, 0.0000,

0.3667

1.0000

299.2822, 0.3057,
0.3643

0.0000, 0.0000,
0.0000

42.4315, 0.2978,
0.3997

42.4315, 0.2978,
0.3997

40.7234, 0.2939,
0.4262

44.4667, 0.3022,
0.3752

39.3199, 0.2906,
0.4543

46.8393, 0.3069,
0.3531

38.2041, 0.2885,
0.4828


49.5658, 0.3116,
0.3335

37.3555, 0.2876,
0.5106


52.6602, 0.3162,
0.3162

36.7503, 0.2882,
0.5362


56.1355, 0.3206,
0.3011

 36.3606, 0.2902,
0.5581

 60.0041, 0.3249,
0.2879

 36.1705, 0.2921,
0.5716

 63.5938, 0.3261,
0.2760

 64.4509, 0.3158,
0.2634

Harmonies

Analogous

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



42.4315, 0.3462, 0.4177



42.4315, 0.2978, 0.3997



42.4315, 0.2555, 0.3572

Triad

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



42.4315, 0.2978, 0.3997



42.4315, 0.2399, 0.2529



42.4315, 0.4034, 0.3383

Complementary

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



42.4315, 0.2978, 0.3997



28.8792, 0.3322, 0.2675

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.



42.4315, 0.3705, 0.3007



42.4315, 0.2978, 0.3997



42.4315, 0.2745, 0.2533

Square

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



42.4315, 0.2978, 0.3997



42.4315, 0.2243, 0.2715



42.4315, 0.3221, 0.2705



42.4315, 0.4093, 0.3767

Rectangle

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



42.4315, 0.2978, 0.3997



42.4315, 0.2360, 0.3243



42.4315, 0.3221, 0.2705



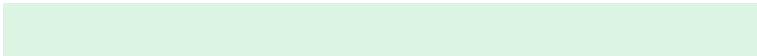
42.4315, 0.3951, 0.3254

Sweetspot

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



42.4333, 0.2978, 0.3997



85.9596, 0.3079, 0.3484



46.4743, 0.3481, 0.4125



18.3426, 0.3073, 0.3513



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



42.4333, 0.2978, 0.3997



74.6150, 0.2949, 0.4185



43.4487, 0.2775, 0.3530



10.6871, 0.3083, 0.3468



24.6338, 0.2916, 0.5696



0.9757, 0.2780, 0.5207

Inverse Universe

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



28.8792, 0.3322, 0.2675



46.2115, 0.3378, 0.2539



27.8534, 0.3665, 0.3065



9.6550, 0.3174, 0.3119



8.6153, 0.3939, 0.1944



0.3473, 0.3730, 0.1828

Previews

White Background



This preview shows how the Yxy color 42.4315, 0.2978, 0.3997 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 42.4315, 0.2978, 0.3997 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 42.4315, 0.2978, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 42.4315, 0.2978, 0.3997.



This preview shows how white text looks on a background with the Yxy color 42.4315, 0.2978, 0.3997.

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

42.4315, 0.2978, 0.3997

Protanopia

41.9507, 0.3568, 0.3806

Deuteranopia

41.9921, 0.3634, 0.3563



Tritanopia

42.3912, 0.2688, 0.3092

Trichromacy



Original Color

42.4315, 0.2978, 0.3997

Protanomaly

41.5683, 0.3330, 0.3864

Deuteranomaly

41.5885, 0.3361, 0.3710

Tritanomaly

42.4839, 0.2791, 0.3406

Monochromacy



Original Color

42.4315, 0.2978, 0.3997

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.9008, 0.3063, 0.3526

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4315, 0.2978, 0.3997 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(127, 188, 142)` looks like.

```
.text, #text, p{  
    color:rgb(127, 188, 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(127, 188, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 188, 142) }
```

Border

The CSS property to change the border of an element to Yxy 42.4315, 0.2978, 0.3997 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(127, 188, 142) }
```

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

```
.border{ border-color:rgb(127, 188, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 188, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 188, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 188, 142);  
box-shadow:4px 4px 4px 4px rgb(127, 188,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4315, 0.2978, 0.3997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 188, 142) }
```

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

```
.background{ background-color: rgb(127,  
188, 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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