

Converting Colors

$Yxy(42.1292, 0.3014, 0.3976)$

Have a look what the booklet for
Yxy(42.1292, 0.3014, 0.3976)
contains.

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Color

Yxy(42.3189, 0.3009, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	83BB8E
RGB	131, 187, 142
RGB Percent	51%, 73%, 56%
CMY	0.4861, 0.2667, 0.4431
CMYK	0.30, 0.00, 0.24, 0.27
HSL	132°, 29%, 62%
HSV	132°, 30%, 73%
XYZ	32.0185, 42.3189, 32.0717
YIQ	165.1260, -18.9310, -25.8670

Conversions

Conversions Part 2

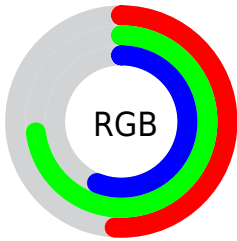
Format	Color
RYB	131, 178, 187
Decimal	8633230
CIELab	71.09, -27.49, 17.08
CIELCh	71, 32.363, 148.137
Yxy	42.3189, 0.3009, 0.3977
Android (android.graphics.Color)	4286823310 (0xFF83BB8E)
YUV	165.1260, -11.4011, -29.9285
Hunter-Lab	65.0530, -25.9866, 16.3066

Details

The Yxy color **42.3189, 0.3009, 0.3977** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.9466, 0.3274, 0.2689**, and the grayscale version is **37.7585, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4010, 0.3033, 0.3834**, and **19.2100, 0.2952, 0.4188** is the 20% darker color. If you saturate the color by 10%, you get **40.5374, 0.2973, 0.4255**, and if you desaturate by 10%, it is **44.4344, 0.3048, 0.3721**.

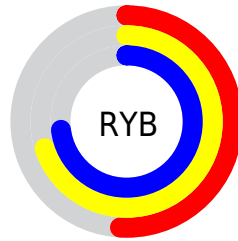
Distribution



Red (51%)

Green (73%)

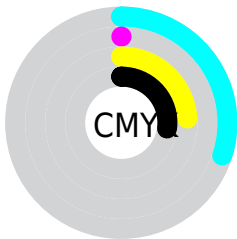
Blue (56%)



Red (51%)

Yellow (70%)

Blue (73%)

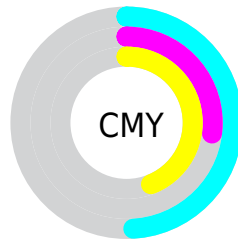


Cyan (30%)

Magenta (0%)

Yellow (24%)

Black (27%)



Cyan (49%)


Magenta (27%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3189, 0.3009, 0.3977 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 42.3189, 0.3009, 0.3977 by changing the saturation by 10% instead.

 42.3189, 0.3009,
0.3977


 42.3189, 0.3009,
0.3977


355.8032, 0.3077,
0.3613


 29.3511, 0.2989,
0.4075


 78.6820, 0.3036,
0.3840

 19.3466, 0.2961,
0.4204


 102.8461, 0.3045,
0.3790

 11.9210, 0.2921,
0.4384


 131.5111, 0.3053,
0.3748

 6.6899, 0.2857,
0.4651

165.0614, 0.3059,
0.3713

 3.2689, 0.2742,
0.5081

203.8814, 0.3064,
0.3683

 1.2737, 0.2594,
0.6661

248.3554, 0.3069,

 0.1207, 0.0000,

0.3656

1.0000

298.8679, 0.3073,
0.3634

■ 0.0000, 0.0000,
0.0000

■ 42.3189, 0.3009,
0.3977

■ 42.3189, 0.3009,
0.3977

■ 40.5374, 0.2973,
0.4255

■ 44.4344, 0.3048,
0.3721

■ 39.0678, 0.2943,
0.4551

■ 46.8942, 0.3088,
0.3492

■ 37.8931, 0.2922,
0.4852

■ 49.7149, 0.3127,
0.3288

■ 36.9932, 0.2911,
0.5144

■ 52.9102, 0.3166,
0.3110

■ 36.3449, 0.2912,
0.5411

■ 56.4933, 0.3203,
0.2955

■ 35.9211, 0.2926,
0.5635

■ 60.4767, 0.3237,
0.2820

■ 35.6712, 0.2947,
0.5807

■ 63.5308, 0.3216,
0.2694

■ 35.6694, 0.2947,
0.5808

■ 64.0183, 0.3158,
0.2624

Harmonies

Analogous

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



42.3189, 0.3471, 0.4136



42.3189, 0.3009, 0.3977



42.3189, 0.2598, 0.3582

Triad

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



42.3189, 0.3009, 0.3977



42.3189, 0.2418, 0.2566



42.3189, 0.3982, 0.3363

Complementary

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



42.3189, 0.3009, 0.3977



29.9466, 0.3274, 0.2689

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.



42.3189, 0.3658, 0.3003



42.3189, 0.3009, 0.3977



42.3189, 0.2742, 0.2560

Square

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



42.3189, 0.3009, 0.3977



42.3189, 0.2277, 0.2755



42.3189, 0.3193, 0.2718



42.3189, 0.4053, 0.3731

Rectangle

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



42.3189, 0.3009, 0.3977



42.3189, 0.2405, 0.3270



42.3189, 0.3193, 0.2718



42.3189, 0.3898, 0.3239

Sweetspot

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



42.3207, 0.3009, 0.3977



84.3595, 0.3091, 0.3475



46.4948, 0.3479, 0.4050



18.4250, 0.3085, 0.3507



95.5105, 0.3127, 0.3290



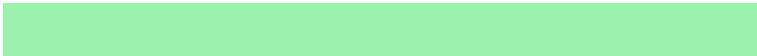
19.5994, 0.3127, 0.3290

Same Dimension

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



42.3207, 0.3009, 0.3977



73.6085, 0.2985, 0.4160



43.2427, 0.2819, 0.3551



10.6793, 0.3090, 0.3480



24.5865, 0.2942, 0.5791



0.9723, 0.2819, 0.5350

Inverse Universe

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



29.9466, 0.3274, 0.2689



47.8236, 0.3315, 0.2555



28.9728, 0.3576, 0.3046



9.6634, 0.3167, 0.3107



8.8156, 0.3768, 0.1850



0.3537, 0.3611, 0.1763

Previews

White Background



This preview shows how the Yxy color 42.3189, 0.3009, 0.3977 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 42.3189, 0.3009, 0.3977 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 42.3189, 0.3009, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 42.3189, 0.3009, 0.3977.



This preview shows how white text looks on a background with the Yxy color 42.3189, 0.3009, 0.3977.

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

42.3189, 0.3009, 0.3977

Protanopia

41.9507, 0.3568, 0.3806

Deuteranopia

41.9921, 0.3634, 0.3563



Tritanopia

42.2003, 0.2714, 0.3092

Trichromacy



Original Color

42.3189, 0.3009, 0.3977

Protanomaly

41.6751, 0.3339, 0.3863

Deuteranomaly

41.4304, 0.3382, 0.3694

Tritanomaly

42.2805, 0.2818, 0.3406

Monochromacy



Original Color

42.3189, 0.3009, 0.3977

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

39.0938, 0.3081, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3189, 0.3009, 0.3977 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(131, 187, 142)` looks like.

```
.text, #text, p{  
    color:rgb(131, 187, 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(131, 187, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 187, 142) }
```

Border

The CSS property to change the border of an element to Yxy 42.3189, 0.3009, 0.3977 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(131, 187, 142) }
```

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

```
.border{ border-color:rgb(131, 187, 142) }
```

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

Here you see how a box with a 4 pixel rgb(131, 187, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 187, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 187, 142);  
box-shadow:4px 4px 4px 4px rgb(131, 187,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3189, 0.3009, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 187, 142) }
```

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

```
.background{ background-color: rgb(131,  
187, 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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