

Converting Colors

$Y_{xy}(42.2295, 0.2908, 0.3755)$

Have a look what the booklet for
Yxy(42.2295, 0.2908, 0.3755)
contains.

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Color

Yxy(42.2302, 0.2909, 0.3759)

Conversions

Conversions Part 1

Format	Color
Hex	82BA9B
RGB	130, 186, 155
RGB Percent	51%, 73%, 61%
CMY	0.4902, 0.2706, 0.3922
CMYK	0.30, 0.00, 0.17, 0.27
HSL	147°, 29%, 62%
HSV	147°, 30%, 73%
XYZ	32.6809, 42.2302, 37.4331
YIQ	165.7220, -23.4250, -21.5130

Conversions

Conversions Part 2

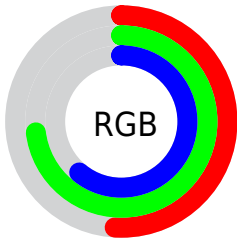
Format	Color
R _{YB}	130, 169, 186
Decimal	8567451
CIE _{Lab}	71.03, -24.84, 9.94
CIE _{LCh}	71, 26.757, 158.186
Y _{xy}	42.2302, 0.2909, 0.3759
Android (android.graphics.Color)	4286757531 (0xFF82BA9B)
YUV	165.7220, -5.2859, -31.3282
Hunter-Lab	64.9848, -23.9554, 11.3366

Details

The Yxy color **42.2302, 0.2909, 0.3759** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.9808, 0.3428, 0.2865**, and the grayscale version is **38.0275, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2981, 0.2953, 0.3668**, and **19.4368, 0.2842, 0.3915** is the 20% darker color. If you saturate the color by 10%, you get **40.5600, 0.2847, 0.3947**, and if you desaturate by 10%, it is **44.1993, 0.2978, 0.3587**.

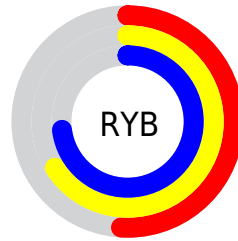
Distribution



Red (51%)

Green (73%)

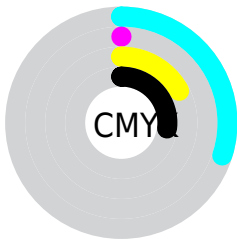
Blue (61%)



Red (51%)

Yellow (66%)

Blue (73%)

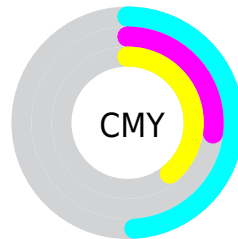


Cyan (30%)

Magenta (0%)

Yellow (17%)

Black (27%)



Cyan (49%)


Magenta (27%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2302, 0.2909, 0.3759 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 42.2302, 0.2909, 0.3759 by changing the saturation by 10% instead.


 42.2302, 0.2909,
0.3759

 42.2302, 0.2909,
0.3759


355.4363, 0.3023,
0.3513

 29.2816, 0.2879,
0.3824


 78.5479, 0.2952,
0.3667

 19.2939, 0.2838,
0.3911


 102.6858, 0.2968,
0.3633

 11.8829, 0.2783,
0.4030


 131.3222, 0.2981,
0.3605

 6.6640, 0.2701,
0.4206

164.8416, 0.2992,
0.3581

 3.2528, 0.2569,
0.4490

203.6283, 0.3001,
0.3560

 1.2651, 0.2258,
0.5156

248.0667, 0.3010,

 0.1140, 0.0000,

0.3543

1.0000

298.5412, 0.3017,
0.3527

■ 0.0000, 0.0000,
0.0000

■ 42.2302, 0.2909,
0.3759

■ 42.2302, 0.2909,
0.3759

■ 40.5600, 0.2847,
0.3947

■ 44.1993, 0.2978,
0.3587

■ 39.1684, 0.2794,
0.4148

■ 46.4761, 0.3051,
0.3431

■ 38.0407, 0.2755,
0.4360

■ 49.0752, 0.3126,
0.3291

■ 37.1587, 0.2733,
0.4576

■ 52.0091, 0.3201,
0.3168


■ 36.5017, 0.2729,
0.4790


■ 55.2894, 0.3275,
0.3059


 36.0453, 0.2744,
0.4996

 58.9271, 0.3346,
0.2963

 35.7436, 0.2774,
0.5185

 61.9313, 0.3373,
0.2874

 62.5177, 0.3292,
0.2775

 63.1388, 0.3213,
0.2680

Harmonies

Analogous

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



42.2302, 0.3291, 0.3965



42.2302, 0.2909, 0.3759



42.2302, 0.2598, 0.3405

Triad

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



42.2302, 0.2909, 0.3759



42.2302, 0.2611, 0.2665



42.2302, 0.3878, 0.3464

Complementary

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



42.2302, 0.2909, 0.3759



28.9808, 0.3428, 0.2865

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.



42.2302, 0.3674, 0.3150



42.2302, 0.2909, 0.3759



42.2302, 0.2927, 0.2706

Square

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



42.2302, 0.2909, 0.3759



42.2302, 0.2435, 0.2777



42.2302, 0.3318, 0.2880



42.2302, 0.3864, 0.3758

Rectangle

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



42.2302, 0.2909, 0.3759



42.2302, 0.2468, 0.3155



42.2302, 0.3318, 0.2880



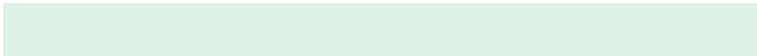
42.2302, 0.3833, 0.3359

Sweetspot

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



42.2319, 0.2909, 0.3759



84.6617, 0.3058, 0.3417



44.3853, 0.3355, 0.4087



18.5011, 0.3048, 0.3438



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.



42.2319, 0.2909, 0.3759



74.5183, 0.2868, 0.3879



43.2544, 0.2723, 0.3343



10.1249, 0.3057, 0.3419



24.0607, 0.2767, 0.5161



0.8607, 0.2625, 0.4648

Inverse Universe

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



28.9808, 0.3428, 0.2865



46.7058, 0.3515, 0.2771



28.1207, 0.3746, 0.3239



9.0932, 0.3204, 0.3164



7.6975, 0.4707, 0.2367



0.2836, 0.4222, 0.2099

Previews

White Background



This preview shows how the Yxy color 42.2302, 0.2909, 0.3759 looks on a white background.

Color Contrast Check

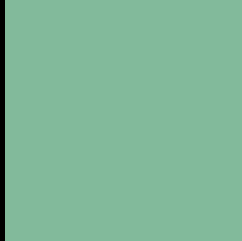
Large Text (above 18pt) WCAG AA × Fail

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 42.2302, 0.2909, 0.3759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

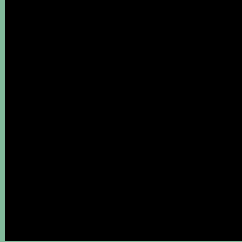
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2302, 0.2909, 0.3759

Background



This preview shows how black text looks on a background with the Yxy color 42.2302, 0.2909, 0.3759.



This preview shows how white text looks on a background with the Yxy color 42.2302, 0.2909, 0.3759.

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

42.2302, 0.2909, 0.3759

Protanopia

41.9703, 0.3424, 0.3631

Deuteranopia

41.7427, 0.3464, 0.3395



Tritanopia

41.9859, 0.2686, 0.3077

Trichromacy



Original Color

42.2302, 0.2909, 0.3759

Protanomaly

41.8617, 0.3214, 0.3675

Deuteranomaly

41.3987, 0.3234, 0.3513

Tritanomaly

41.9021, 0.2768, 0.3318

Monochromacy



Original Color

42.2302, 0.2909, 0.3759

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.2681, 0.3040, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2302, 0.2909, 0.3759 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(130, 186, 155)` looks like.

```
.text, #text, p{  
    color:rgb(130, 186, 155)  
}
```

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(130, 186, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 186, 155) }
```

Border

The CSS property to change the border of an element to Yxy 42.2302, 0.2909, 0.3759 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(130, 186, 155) }
```

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

```
.border{ border-color:rgb(130, 186, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 186, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 186, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 186, 155);  
box-shadow:4px 4px 4px 4px rgb(130, 186,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2302, 0.2909, 0.3759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 186, 155) }
```

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

```
.background{ background-color: rgb(130,  
186, 155) }
```

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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