

Converting Colors

$Y_{xy}(42.5475, 0.2872, 0.3871)$

Have a look what the booklet for
Yxy(42.5475, 0.2872, 0.3871)
contains.

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Color

Yxy(42.6945, 0.2873, 0.3874)

Conversions

Conversions Part 1

Format	Color
Hex	79BD97
RGB	121, 189, 151
RGB Percent	47%, 74%, 59%
CMY	0.5257, 0.2588, 0.4078
CMYK	0.36, 0.00, 0.20, 0.26
HSL	146°, 34%, 61%
HSV	146°, 36%, 74%
XYZ	31.6627, 42.6945, 35.8506
YIQ	164.3360, -28.3300, -26.2340

Conversions

Conversions Part 2

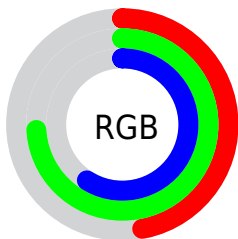
Format	Color
R _{YB}	121, 168, 189
Decimal	7978391
CIE Lab	71.35, -29.89, 12.49
CIE LCh	71, 32.394, 157.314
Yxy	42.6945, 0.2873, 0.3874
Android (android.graphics.Color)	4286168471 (0xFF79BD97)
YUV	164.3360, -6.5746, -38.0057
Hunter-Lab	65.3410, -27.8500, 13.2081

Details

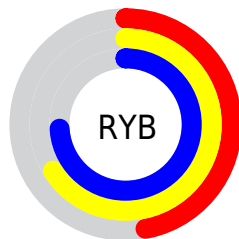
The Yxy color **42.6945, 0.2873, 0.3874** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **26.9832, 0.3504, 0.2775**, and the grayscale version is **37.3299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4333, 0.2923, 0.3766**, and **19.5133, 0.2793, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **41.1349, 0.2817, 0.4072**, and if you desaturate by 10%, it is **44.5558, 0.2938, 0.3690**.

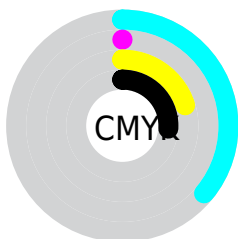
Distribution



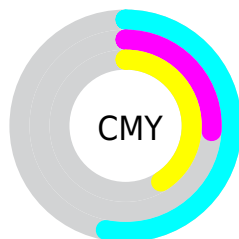
- Red (47%)
- Green (74%)
- Blue (59%)



- Red (47%)
- Yellow (66%)
- Blue (74%)



- Cyan (36%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)




- Cyan (53%)
- Magenta (26%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.6945, 0.2873, 0.3874 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 42.6945, 0.2873, 0.3874 by changing the saturation by 10% instead.


 42.6945, 0.2873,
0.3874

 42.6945, 0.2873,
0.3874


357.3539, 0.3007,
0.3566


 29.6455, 0.2837,
0.3956


 79.2496, 0.2924,
0.3758

 19.5697, 0.2789,
0.4065


 103.5246, 0.2942,
0.3716

 12.0826, 0.2723,
0.4216


 132.3103, 0.2958,
0.3681

 6.8000, 0.2624,
0.4439


165.9911, 0.2971,
0.3651

 3.3373, 0.2464,
0.4800

204.9515, 0.2982,
0.3625

 1.3103, 0.2047,
0.5775

249.5758, 0.2991,

 0.1491, 0.0000,

0.3603

1.0000

300.2485, 0.3000,
0.3583

0.0000, 0.0000,
0.0000

42.6945, 0.2873,
0.3874

42.6945, 0.2873,
0.3874

41.1349, 0.2817,
0.4072

44.5558, 0.2938,
0.3690

39.8552, 0.2772,
0.4282

46.7288, 0.3009,
0.3523

38.8390, 0.2743,
0.4499


49.2293, 0.3082,
0.3373


38.0660, 0.2732,
0.4717


52.0706, 0.3157,
0.3238


37.5125, 0.2740,
0.4928


55.2652, 0.3231,
0.3120

 37.1487, 0.2766,
0.5126

 58.8249, 0.3303,
0.3016

 37.0327, 0.2778,
0.5201

 62.7611, 0.3373,
0.2925

 63.6846, 0.3304,
0.2824

 64.3144, 0.3224,
0.2725

Harmonies

Analogous

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



42.6945, 0.3331, 0.4116



42.6945, 0.2873, 0.3874



42.6945, 0.2501, 0.3439

Triad

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



42.6945, 0.2873, 0.3874



42.6945, 0.2501, 0.2546



42.6945, 0.4032, 0.3478

Complementary

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



42.6945, 0.2873, 0.3874



26.9832, 0.3504, 0.2775

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.



42.6945, 0.3777, 0.3109



42.6945, 0.2873, 0.3874



42.6945, 0.2871, 0.2594

Square

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



42.6945, 0.2873, 0.3874



42.6945, 0.2301, 0.2679



42.6945, 0.3340, 0.2795



42.6945, 0.4018, 0.3833

Rectangle

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



42.6945, 0.2873, 0.3874



42.6945, 0.2345, 0.3132



42.6945, 0.3340, 0.2795



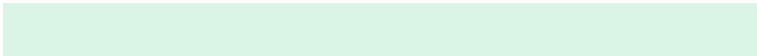
42.6945, 0.3975, 0.3353

Sweetspot

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



42.6963, 0.2873, 0.3874



85.7694, 0.3044, 0.3448



45.2039, 0.3396, 0.4259



18.3155, 0.3034, 0.3469



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.



42.6963, 0.2873, 0.3874



74.2651, 0.2829, 0.4025



43.9425, 0.2655, 0.3355



10.7178, 0.3057, 0.3421



24.9277, 0.2772, 0.5178



0.9896, 0.2639, 0.4701

Inverse Universe

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



26.9832, 0.3504, 0.2775



42.0892, 0.3617, 0.2665



25.9746, 0.3922, 0.3229



9.6232, 0.3203, 0.3163



7.9886, 0.4691, 0.2358



0.3259, 0.4244, 0.2112

Previews

White Background



This preview shows how the Yxy color 42.6945, 0.2873, 0.3874 looks on a white background.

Color Contrast Check

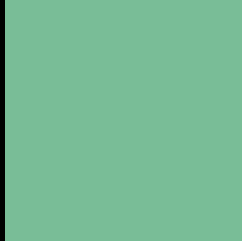
Large Text (above 18pt) WCAG AA × Fail

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 42.6945, 0.2873, 0.3874 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 42.6945, 0.2873, 0.3874

Background



This preview shows how black text looks on a background with the Yxy color 42.6945, 0.2873, 0.3874.



This preview shows how white text looks on a background with the Yxy color 42.6945, 0.2873, 0.3874.

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

42.6945, 0.2873, 0.3874

Protanopia

42.4456, 0.3485, 0.3711

Deuteranopia

42.2759, 0.3508, 0.3447



Tritanopia

42.7235, 0.2631, 0.3090

Trichromacy



Original Color

42.6945, 0.2873, 0.3874

Protanomaly

41.8926, 0.3236, 0.3765

Deuteranomaly

41.8188, 0.3246, 0.3599

Tritanomaly

42.5052, 0.2716, 0.3362

Monochromacy



Original Color

42.6945, 0.2873, 0.3874

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.6862, 0.3021, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6945, 0.2873, 0.3874 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(121, 189, 151)` looks like.

```
.text, #text, p{  
    color:rgb(121, 189, 151)  
}
```

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(121, 189, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 189, 151) }
```

Border

The CSS property to change the border of an element to Yxy 42.6945, 0.2873, 0.3874 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(121, 189, 151) }
```

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

```
.border{ border-color:rgb(121, 189, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 189, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 189, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 189, 151);  
box-shadow:4px 4px 4px 4px rgb(121, 189,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6945, 0.2873, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 189, 151) }
```

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

```
.background{ background-color: rgb(121,  
189, 151) }
```

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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