

Converting Colors

$Yxy(42.3083, 0.2767, 0.3745)$

Have a look what the booklet for
Yxy(42.3083, 0.2767, 0.3745)
contains.

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Color

Yxy(42.4091, 0.2767, 0.3753)

Conversions

Conversions Part 1

Format	Color
Hex	71BD9F
RGB	113, 189, 159
RGB Percent	44%, 74%, 62%
CMY	0.5567, 0.2588, 0.3766
CMYK	0.40, 0.00, 0.16, 0.26
HSL	156°, 37%, 59%
HSV	156°, 40%, 74%
XYZ	31.2672, 42.4091, 39.3242
YIQ	162.8560, -35.6660, -25.4420

Conversions

Conversions Part 2

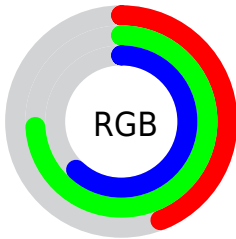
Format	Color
RYB	113, 160, 189
Decimal	7454111
CIELab	71.15, -30.50, 7.83
CIElCh	71, 31.486, 165.593
Yxy	42.4091, 0.2767, 0.3753
Android (android.graphics.Color)	4285644191 (0xFF71BD9F)
YUV	162.8560, -1.9010, -43.7237
Hunter-Lab	65.1223, -28.2605, 9.7832

Details

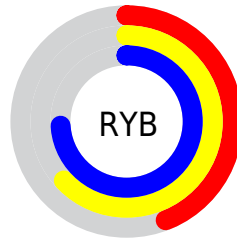
The Yxy color **42.4091, 0.2767, 0.3753** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.6238, 0.3723, 0.2878**, and the grayscale version is **36.5802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0914, 0.2835, 0.3662**, and **19.3405, 0.2649, 0.3888** is the 20% darker color. If you saturate the color by 10%, you get **41.0329, 0.2700, 0.3893**, and if you desaturate by 10%, it is **44.0655, 0.2846, 0.3622**.

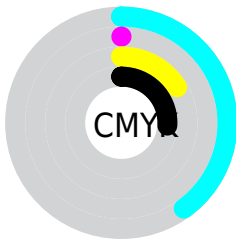
Distribution



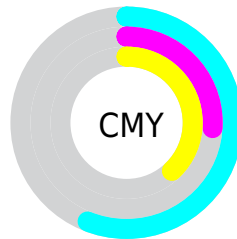
- Red (44%)
- Green (74%)
- Blue (62%)



- Red (44%)
- Yellow (63%)
- Blue (74%)



- Cyan (40%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)




- Cyan (56%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.4091, 0.2767, 0.3753 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 42.4091, 0.2767, 0.3753 by changing the saturation by 10% instead.


 42.4091, 0.2767,
0.3753

 42.4091, 0.2767,
0.3753


356.1760, 0.2953,
0.3511

 29.4218, 0.2719,
0.3817


 78.8184, 0.2836,
0.3662

 19.4001, 0.2655,
0.3902


 103.0092, 0.2861,
0.3629

 11.9597, 0.2569,
0.4018


 131.7032, 0.2883,
0.3601

 6.7163, 0.2445,
0.4189

165.2849, 0.2901,
0.3578

 3.2853, 0.2251,
0.4463

204.1386, 0.2917,
0.3558

 1.2824, 0.1711,
0.5113

248.6488, 0.2930,

 0.1275, 0.0000,

0.3540

1.0000

299.1998, 0.2942,
0.3525

0.0000, 0.0000,
0.0000

42.4091, 0.2767,
0.3753

42.4091, 0.2767,
0.3753

41.0329, 0.2700,
0.3893

44.0655, 0.2846,
0.3622

39.9152, 0.2647,
0.4040

46.0120, 0.2934,
0.3501

39.0392, 0.2613,
0.4192


48.2646, 0.3028,
0.3391

38.3838, 0.2598,
0.4346

50.8362, 0.3125,
0.3292

37.9245, 0.2603,
0.4498


53.7394, 0.3224,
0.3203

 37.6164, 0.2623,
0.4643

 56.9857, 0.3322,
0.3125

 60.5862, 0.3418,
0.3056

 62.7563, 0.3436,
0.2987

 63.1582, 0.3376,
0.2913

Harmonies

Analogous

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



42.4091, 0.3202, 0.4054



42.4091, 0.2767, 0.3753



42.4091, 0.2443, 0.3309

Triad

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



42.4091, 0.2767, 0.3753



42.4091, 0.2601, 0.2560



42.4091, 0.4032, 0.3575

Complementary

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



42.4091, 0.2767, 0.3753



24.6238, 0.3723, 0.2878

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.



42.4091, 0.3852, 0.3211



42.4091, 0.2767, 0.3753



42.4091, 0.2999, 0.2650

Square

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



42.4091, 0.2767, 0.3753



42.4091, 0.2356, 0.2640



42.4091, 0.3462, 0.2882



42.4091, 0.3946, 0.3902

Rectangle

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



42.4091, 0.2767, 0.3753



42.4091, 0.2326, 0.3024



42.4091, 0.3462, 0.2882



42.4091, 0.4001, 0.3454

Sweetspot

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



42.4108, 0.2767, 0.3753



85.5890, 0.3009, 0.3412



43.4660, 0.3313, 0.4419



18.2890, 0.2997, 0.3426



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.



42.4108, 0.2767, 0.3753



73.8118, 0.2708, 0.3873



40.4000, 0.2563, 0.3175



10.7439, 0.3036, 0.3382



25.3249, 0.2618, 0.4624



1.0045, 0.2519, 0.4267

Inverse Universe

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



24.6238, 0.3723, 0.2878



37.6782, 0.3916, 0.2793



25.5989, 0.4084, 0.3399



9.5972, 0.3228, 0.3200



7.6326, 0.5368, 0.2731



0.3119, 0.4732, 0.2380

Previews

White Background



This preview shows how the Yxy color 42.4091, 0.2767, 0.3753 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 42.4091, 0.2767, 0.3753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

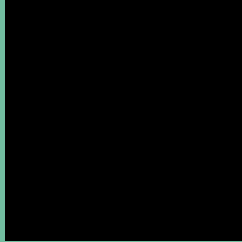
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.4091, 0.2767, 0.3753

Background



This preview shows how black text looks on a background with the Yxy color 42.4091, 0.2767, 0.3753.

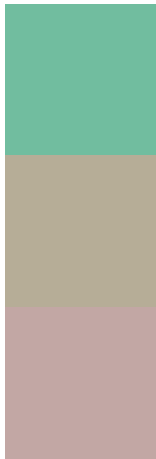


This preview shows how white text looks on a background with the Yxy color 42.4091, 0.2767, 0.3753.

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

42.4091, 0.2767, 0.3753

Protanopia

42.0666, 0.3398, 0.3590

Deuteranopia

41.7871, 0.3408, 0.3330



Tritanopia

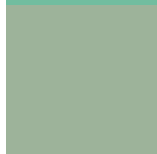
42.1551, 0.2573, 0.3074

Trichromacy



Original Color

42.4091, 0.2767, 0.3753



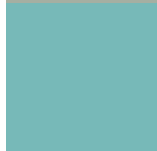
Protanomaly

41.7414, 0.3136, 0.3651



Deuteranomaly

41.2679, 0.3145, 0.3473



Tritanomaly

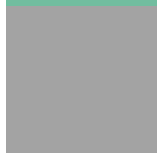
42.0806, 0.2638, 0.3303

Monochromacy



Original Color

42.4091, 0.2767, 0.3753



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

38.1334, 0.2971, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.4091, 0.2767, 0.3753 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(113, 189, 159)` looks like.

```
.text, #text, p{  
    color:rgb(113, 189, 159)  
}
```

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(113, 189, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 189, 159) }
```

Border

The CSS property to change the border of an element to Yxy 42.4091, 0.2767, 0.3753 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(113, 189, 159) }
```

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

```
.border{ border-color:rgb(113, 189, 159) }
```

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

Here you see how a box with a 4 pixel rgb(113, 189, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 189, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 189, 159);  
box-shadow:4px 4px 4px 4px rgb(113, 189,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 42.4091, 0.2767, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 189, 159) }
```

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

```
.background{ background-color: rgb(113,  
189, 159) }
```

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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