

Converting Colors

$Y_{xy}(42.7289, 0.2819, 0.3828)$

Have a look what the booklet for
Yxy(42.7289, 0.2819, 0.3828)
contains.

Yxy(42.9065, 0.2814, 0.3829)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.9065, 0.2814, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	74BE9B
RGB	116, 190, 155
RGB Percent	45%, 75%, 61%
CMY	0.5450, 0.2549, 0.3923
CMYK	0.39, 0.00, 0.18, 0.25
HSL	152°, 36%, 60%
HSV	152°, 39%, 75%
XYZ	31.5327, 42.9065, 37.6174
YIQ	163.8840, -32.8690, -26.5730

Conversions

Conversions Part 2

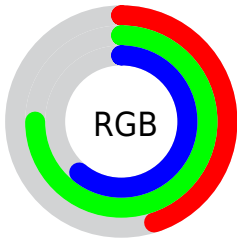
Format	Color
RYB	116, 164, 190
Decimal	7650971
CIELab	71.49, -30.98, 10.51
CIElCh	71, 32.718, 161.263
Yxy	42.9065, 0.2814, 0.3829
Android (android.graphics.Color)	4285841051 (0xFF74BE9B)
YUV	163.8840, -4.3798, -41.9943
Hunter-Lab	65.5031, -28.7016, 11.8028

Details

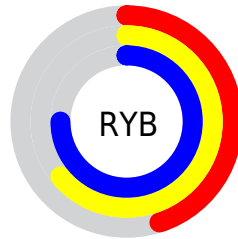
The Yxy color **42.9065, 0.2814, 0.3829** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.6804, 0.3624, 0.2814**, and the grayscale version is **37.1018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7829, 0.2879, 0.3731**, and **19.6646, 0.2714, 0.3996** is the 20% darker color. If you saturate the color by 10%, you get **41.4452, 0.2753, 0.3998**, and if you desaturate by 10%, it is **44.6601, 0.2886, 0.3671**.

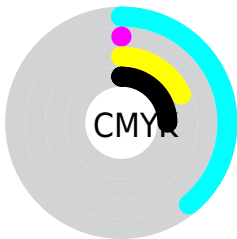
Distribution



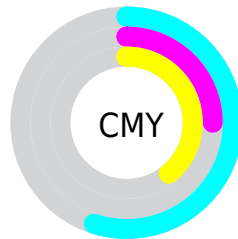
- Red (45%)
- Green (75%)
- Blue (61%)



- Red (45%)
- Yellow (64%)
- Blue (75%)



- Cyan (39%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)




- Cyan (55%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9065, 0.2814, 0.3829 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 42.9065, 0.2814, 0.3829 by changing the saturation by 10% instead.


 42.9065, 0.2814,
0.3829


 42.9065, 0.2814,
0.3829


358.2271, 0.2977,
0.3546


 29.8118, 0.2771,
0.3904


 79.5697, 0.2875,
0.3723

 19.6958, 0.2714,
0.4004


 103.9070, 0.2897,
0.3684

 12.1741, 0.2637,
0.4142


 132.7606, 0.2916,
0.3652

 6.8623, 0.2524,
0.4344

166.5150, 0.2932,
0.3624

 3.3762, 0.2344,
0.4670

205.5544, 0.2946,
0.3600

 1.3311, 0.1860,
0.5468

250.2633, 0.2958,

 0.1651, 0.0000,

0.3580

1.0000

301.0260, 0.2968,
0.3562

0.0000, 0.0000,
0.0000

42.9065, 0.2814,
0.3829

42.9065, 0.2814,
0.3829

41.4452, 0.2753,
0.3998

44.6601, 0.2886,
0.3671

40.2541, 0.2705,
0.4177

46.7163, 0.2966,
0.3527

39.3164, 0.2674,
0.4361

49.0910, 0.3050,
0.3396

38.6110, 0.2663,
0.4546

51.7977, 0.3136,
0.3278

38.1130, 0.2671,
0.4727


54.8489, 0.3223,
0.3174


 37.7803, 0.2697,
0.4902

 58.2566, 0.3309,
0.3081

 37.7485, 0.2700,
0.4920

 62.0321, 0.3393,
0.3000

 63.6311, 0.3369,
0.2916

 64.1408, 0.3299,
0.2830

Harmonies

Analogous

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



42.9065, 0.3271, 0.4107



42.9065, 0.2814, 0.3829



42.9065, 0.2458, 0.3377

Triad

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



42.9065, 0.2814, 0.3829



42.9065, 0.2536, 0.2537



42.9065, 0.4054, 0.3529

Complementary

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



42.9065, 0.2814, 0.3829



25.6804, 0.3624, 0.2814

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.



42.9065, 0.3830, 0.3154



42.9065, 0.2814, 0.3829



42.9065, 0.2928, 0.2607

Square

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



42.9065, 0.2814, 0.3829



42.9065, 0.2310, 0.2645



42.9065, 0.3405, 0.2827



42.9065, 0.4003, 0.3878

Rectangle

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



42.9065, 0.2814, 0.3829



42.9065, 0.2318, 0.3073



42.9065, 0.3405, 0.2827



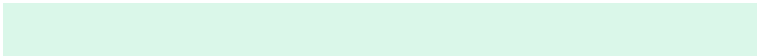
42.9065, 0.4008, 0.3403

Sweetspot

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



42.9083, 0.2814, 0.3829



87.4902, 0.3022, 0.3437



44.7437, 0.3361, 0.4362



19.0853, 0.3011, 0.3454



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.9083, 0.2814, 0.3829



75.3878, 0.2759, 0.3978



43.7286, 0.2591, 0.3270



10.7313, 0.3046, 0.3401



25.1160, 0.2694, 0.4898



0.9969, 0.2577, 0.4475

Inverse Universe

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



25.6804, 0.3624, 0.2814



39.6475, 0.3790, 0.2708



24.9920, 0.4077, 0.3310



9.6096, 0.3216, 0.3182



7.7854, 0.5045, 0.2553



0.3182, 0.4493, 0.2249

Previews

White Background



This preview shows how the Yxy color 42.9065, 0.2814, 0.3829 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 42.9065, 0.2814, 0.3829 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 42.9065, 0.2814, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 42.9065, 0.2814, 0.3829.



This preview shows how white text looks on a background with the Yxy color 42.9065, 0.2814, 0.3829.

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

42.9065, 0.2814, 0.3829

Protanopia

42.5690, 0.3450, 0.3656

Deuteranopia

42.2791, 0.3462, 0.3395



Tritanopia

42.8401, 0.2588, 0.3075

Trichromacy



Original Color

42.9065, 0.2814, 0.3829

Protanomaly

42.2155, 0.3184, 0.3721

Deuteranomaly

41.7348, 0.3195, 0.3543

Tritanomaly

42.6743, 0.2666, 0.3333

Monochromacy



Original Color

42.9065, 0.2814, 0.3829

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

38.6634, 0.2997, 0.3468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9065, 0.2814, 0.3829 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(116, 190, 155)` looks like.

```
.text, #text, p{  
    color:rgb(116, 190, 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(116, 190, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 190, 155) }
```

Border

The CSS property to change the border of an element to Yxy 42.9065, 0.2814, 0.3829 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(116, 190, 155) }
```

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

```
.border{ border-color:rgb(116, 190, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 190, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 190, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 190, 155); box-shadow:4px 4px 4px 4px rgb(116, 190, 155) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9065, 0.2814, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 190, 155) }
```

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

```
.background{ background-color: rgb(116,  
190, 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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