

Converting Colors

$Y_{xy}(49.2673, 0.2842, 0.4030)$

Have a look what the booklet for
Yxy(49.2673, 0.2842, 0.4030)
contains.

Yxy(49.3007, 0.2842, 0.4031)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.3007, 0.2842, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	75CC9A
RGB	117, 204, 154
RGB Percent	46%, 80%, 60%
CMY	0.5412, 0.2000, 0.3962
CMYK	0.43, 0.00, 0.25, 0.20
HSL	146°, 46%, 63%
HSV	146°, 43%, 80%
XYZ	34.7588, 49.3007, 38.2444
YIQ	172.2870, -35.8020, -33.9940

Conversions

Conversions Part 2

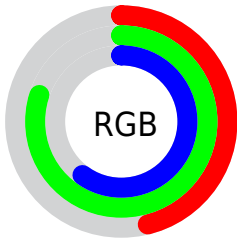
Format	Color
RYB	117, 178, 204
Decimal	7720090
CIELab	75.64, -37.43, 16.88
CIELCh	76, 41.066, 155.723
Yxy	49.3007, 0.2842, 0.4031
Android (android.graphics.Color)	4285910170 (0xFF75CC9A)
YUV	172.2870, -9.0155, -48.4867
Hunter-Lab	70.2145, -34.5112, 16.8560

Details

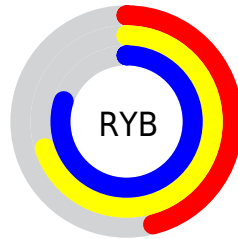
The Yxy color **49.3007, 0.2842, 0.4031** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.3495, 0.3587, 0.2659**, and the grayscale version is **41.4668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0077, 0.2895, 0.3815**, and **23.4983, 0.2748, 0.4253** is the 20% darker color. If you saturate the color by 10%, you get **47.6685, 0.2795, 0.4245**, and if you desaturate by 10%, it is **51.2830, 0.2900, 0.3830**.

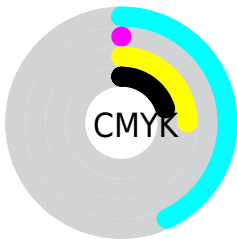
Distribution



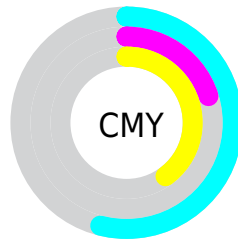
- Red (46%)
- Green (80%)
- Blue (60%)



- Red (46%)
- Yellow (70%)
- Blue (80%)



- Cyan (43%)
- Magenta (0%)
- Yellow (25%)
- Black (20%)



- Cyan (54%)
- Magenta (20%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.3007, 0.2842, 0.4031 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 49.3007, 0.2842, 0.4031 by changing the saturation by 10% instead.


 49.3007, 0.2842,
0.4031


 49.3007, 0.2842,
0.4031


383.9249, 0.2992,
0.3646


 34.8581, 0.2802,
0.4132


 89.1379, 0.2898,
0.3888

 23.5536, 0.2750,
0.4263

 115.3013, 0.2919,
0.3835

 15.0028, 0.2678,
0.4443


 146.1403, 0.2936,
0.3791

 8.8213, 0.2573,
0.4703

182.0395, 0.2951,
0.3753

 4.6248, 0.2406,
0.5107

223.3831, 0.2963,
0.3721

 2.0289, 0.2111,
0.5855

270.5556, 0.2974,

 0.6242, 0.0000,

0.3693

1.0000

323.9414, 0.2983,
0.3668

■ 0.0000, 0.0000,
0.0000

■ 49.3007, 0.2842,
0.4031

■ 49.3007, 0.2842,
0.4031

■ 47.6685, 0.2795,
0.4245

■ 51.2830, 0.2900,
0.3830

■ 46.3591, 0.2762,
0.4468

■ 53.6289, 0.2966,
0.3645

■ 45.3507, 0.2746,
0.4694

■ 56.3582, 0.3036,
0.3477

■ 44.6161, 0.2749,
0.4914


■ 59.4878, 0.3108,
0.3327

■ 44.1229, 0.2771,
0.5121

■ 63.0333, 0.3180,
0.3194

 43.8726, 0.2795,
0.5262

 67.0097, 0.3252,
0.3077

 70.5102, 0.3285,
0.2970

 71.2149, 0.3201,
0.2858

 71.6692, 0.3151,
0.2792

Harmonies

Analogous

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



49.3007, 0.3392, 0.4306



49.3007, 0.2842, 0.4031



49.3007, 0.2394, 0.3496

Triad

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



49.3007, 0.2842, 0.4031



49.3007, 0.2362, 0.2409



49.3007, 0.4213, 0.3476

Complementary

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



49.3007, 0.2842, 0.4031



28.3495, 0.3587, 0.2659

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.



49.3007, 0.3889, 0.3046



49.3007, 0.2842, 0.4031



49.3007, 0.2788, 0.2458

Square

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



49.3007, 0.2842, 0.4031



49.3007, 0.2141, 0.2568



49.3007, 0.3349, 0.2686



49.3007, 0.4207, 0.3904

Rectangle

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



49.3007, 0.2842, 0.4031



49.3007, 0.2206, 0.3117



49.3007, 0.3349, 0.2686



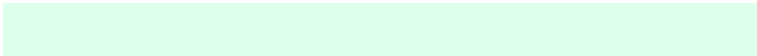
49.3007, 0.4139, 0.3329

Sweetspot

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



49.3027, 0.2842, 0.4031



93.0786, 0.3032, 0.3485



52.7708, 0.3451, 0.4452



19.6959, 0.3016, 0.3522



0.0000, 0.0000, 0.0000



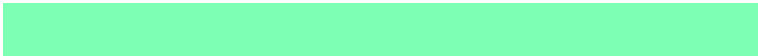
21.4041, 0.3127, 0.3290

Same Dimension

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



49.3027, 0.2842, 0.4031



79.1807, 0.2799, 0.4224



50.9905, 0.2591, 0.3390



12.6148, 0.3059, 0.3426



27.6295, 0.2788, 0.5236



1.4405, 0.2679, 0.4844

Inverse Universe

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



28.3495, 0.3587, 0.2659



40.0718, 0.3729, 0.2534



27.0200, 0.4134, 0.3199



11.3200, 0.3202, 0.3158



8.9117, 0.4630, 0.2324



0.4747, 0.4279, 0.2131

Previews

White Background



This preview shows how the Yxy color 49.3007, 0.2842, 0.4031 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 49.3007, 0.2842, 0.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

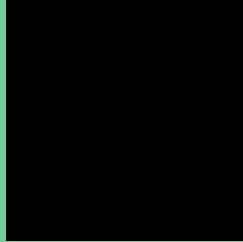
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3007, 0.2842, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 49.3007, 0.2842, 0.4031.



This preview shows how white text looks on a background with the Yxy color 49.3007, 0.2842, 0.4031.

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

49.3007, 0.2842, 0.4031

Protanopia

48.6126, 0.3557, 0.3802

Deuteranopia

48.3410, 0.3595, 0.3523



Tritanopia

49.0586, 0.2567, 0.3073

Trichromacy



Original Color

49.3007, 0.2842, 0.4031



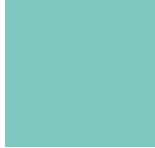
Protanomaly

48.1622, 0.3262, 0.3894



Deuteranomaly

47.3221, 0.3277, 0.3693



Tritanomaly

49.0441, 0.2665, 0.3401

Monochromacy



Original Color

49.3007, 0.2842, 0.4031



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.6730, 0.3007, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3007, 0.2842, 0.4031 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(117, 204, 154)` looks like.

```
.text, #text, p{  
    color:rgb(117, 204, 154)  
}
```

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(117, 204, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 204, 154) }
```

Border

The CSS property to change the border of an element to Yxy 49.3007, 0.2842, 0.4031 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(117, 204, 154) }
```

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

```
.border{ border-color:rgb(117, 204, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 204, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 204, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 204, 154); box-shadow:4px 4px 4px 4px rgb(117, 204, 154) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3007, 0.2842, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 204, 154) }
```

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

```
.background{ background-color: rgb(117,  
204, 154) }
```

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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