

Converting Colors

$Yxy(43.6890, 0.2922, 0.4487)$

Have a look what the booklet for
Yxy(43.6890, 0.2922, 0.4487)
contains.

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Color

Yxy(43.5376, 0.2920, 0.4477)

Conversions

Conversions Part 1

Format	Color
Hex	63C47A
RGB	99, 196, 122
RGB Percent	39%, 77%, 48%
CMY	0.6118, 0.2313, 0.5216
CMYK	0.49, 0.00, 0.38, 0.23
HSL	134°, 45%, 58%
HSV	134°, 49%, 77%
XYZ	28.3962, 43.5376, 25.3135
YIQ	158.5610, -34.0580, -43.5780

Conversions

Conversions Part 2

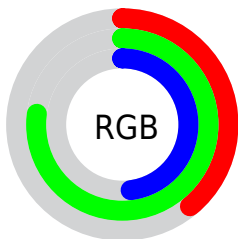
Format	Color
RYB	99, 177, 196
Decimal	6538362
CIELab	71.92, -44.70, 28.61
CIElCh	72, 53.073, 147.385
Yxy	43.5376, 0.2920, 0.4477
Android (android.graphics.Color)	4284728442 (0xFF63C47A)
YUV	158.5610, -18.0246, -52.2350
Hunter-Lab	65.9830, -38.6517, 23.4423

Details

The Yxy color **43.5376, 0.2920, 0.4477** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **23.6751, 0.3452, 0.2351**, and the grayscale version is **34.5541, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3143, 0.2971, 0.4232**, and **19.9490, 0.2823, 0.4883** is the 20% darker color. If you saturate the color by 10%, you get **42.2238, 0.2896, 0.4766**, and if you desaturate by 10%, it is **45.1799, 0.2954, 0.4196**.

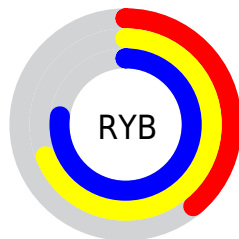
Distribution



Red (39%)

Green (77%)

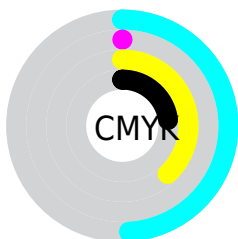
Blue (48%)



Red (39%)

Yellow (69%)

Blue (77%)

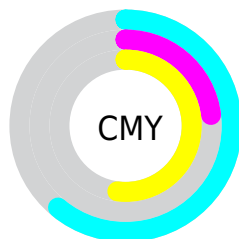


Cyan (49%)

Magenta (0%)

Yellow (38%)

Black (23%)



Cyan (61%)


Magenta (23%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5376, 0.2920, 0.4477 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 43.5376, 0.2920, 0.4477 by changing the saturation by 10% instead.


 43.5376, 0.2920,
0.4477

 43.5376, 0.2920,
0.4477

360.8180, 0.3046,
0.3838


 30.3072, 0.2880,
0.4651


 80.5215, 0.2972,
0.4234

 20.0718, 0.2823,
0.4883


 105.0437, 0.2990,
0.4146

 12.4473, 0.2737,
0.5204


 134.0987, 0.3004,
0.4073

 7.0491, 0.2596,
0.5677

 168.0707, 0.3015,
0.4011

 3.4928, 0.2354,
0.6459

207.3443, 0.3025,
0.3958

 1.3941, 0.1046,
0.8954

252.3038, 0.3033,

 0.2124, 0.0000,

0.3913

1.0000

303.3335, 0.3040,
0.3873

■ 0.0000, 0.0000,
0.0000

■ 43.5376, 0.2920,
0.4477

■ 43.5376, 0.2920,
0.4477

■ 42.2238, 0.2896,
0.4766

■ 45.1799, 0.2954,
0.4196

■ 41.2108, 0.2883,
0.5051

■ 47.1655, 0.2994,
0.3932

■ 40.4751, 0.2885,
0.5316

■ 49.5148, 0.3038,
0.3690


■ 39.9873, 0.2901,
0.5546

■ 52.2448, 0.3084,
0.3473


■ 39.6961, 0.2926,
0.5730


■ 55.3717, 0.3129,
0.3281

 39.6837, 0.2927,
0.5739

 58.9106, 0.3174,
0.3112

 62.8759, 0.3217,
0.2965

 67.1308, 0.3251,
0.2836

 67.9628, 0.3154,
0.2712

Harmonies

Analogous

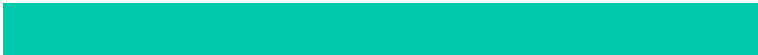
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.5376, 0.3646, 0.4685



43.5376, 0.2920, 0.4477



43.5376, 0.2289, 0.3785

Triad

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



43.5376, 0.2920, 0.4477



43.5376, 0.2023, 0.2169



43.5376, 0.4512, 0.3340

Complementary

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



43.5376, 0.2920, 0.4477



23.6751, 0.3452, 0.2351

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.



43.5376, 0.3966, 0.2817



43.5376, 0.2920, 0.4477



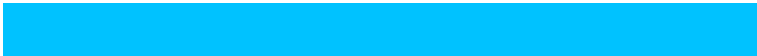
43.5376, 0.2492, 0.2174

Square

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



43.5376, 0.2920, 0.4477



43.5376, 0.1825, 0.2430



43.5376, 0.3195, 0.2406



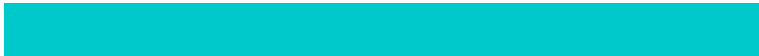
43.5376, 0.4611, 0.3900

Rectangle

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



43.5376, 0.2920, 0.4477



43.5376, 0.2003, 0.3241



43.5376, 0.3195, 0.2406



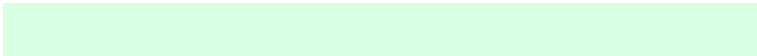
43.5376, 0.4373, 0.3158

Sweetspot

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



43.5394, 0.2920, 0.4477



91.7144, 0.3057, 0.3595



49.3097, 0.3644, 0.4571



19.4099, 0.3048, 0.3642



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.



43.5394, 0.2920, 0.4477



76.3958, 0.2895, 0.4778



45.0420, 0.2629, 0.3683



11.2971, 0.3084, 0.3470



25.5080, 0.2921, 0.5717



1.1133, 0.2796, 0.5267

Inverse Universe

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



23.6751, 0.3452, 0.2351



36.4039, 0.3545, 0.2185



22.1347, 0.4120, 0.2949



10.2054, 0.3173, 0.3116



8.9600, 0.3908, 0.1927



0.3973, 0.3722, 0.1824

Previews

White Background



This preview shows how the Yxy color 43.5376, 0.2920, 0.4477 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 43.5376, 0.2920, 0.4477 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 43.5376, 0.2920, 0.4477

Background



This preview shows how black text looks on a background with the Yxy color 43.5376, 0.2920, 0.4477.

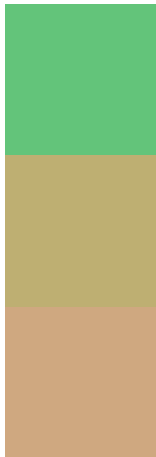


This preview shows how white text looks on a background with the Yxy color 43.5376, 0.2920, 0.4477.

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

43.5376, 0.2920, 0.4477

Protanopia

42.8220, 0.3789, 0.4097

Deuteranopia

42.8292, 0.3866, 0.3795



Tritanopia

43.1864, 0.2532, 0.3074

Trichromacy



Original Color

43.5376, 0.2920, 0.4477



Protanomaly

42.3194, 0.3420, 0.4250



Deuteranomaly

41.6720, 0.3466, 0.4030



Tritanomaly

43.1850, 0.2673, 0.3561

Monochromacy



Original Color

43.5376, 0.2920, 0.4477



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.8987, 0.3029, 0.3694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5376, 0.2920, 0.4477 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(99, 196, 122)` looks like.

```
.text, #text, p{  
    color:rgb(99, 196, 122)  
}
```

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(99, 196, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 196, 122) }
```

Border

The CSS property to change the border of an element to Yxy 43.5376, 0.2920, 0.4477 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(99, 196, 122) }
```

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

```
.border{ border-color:rgb(99, 196, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 196, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 196, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 196, 122);  
box-shadow:4px 4px 4px 4px rgb(99, 196,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5376, 0.2920, 0.4477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 196, 122) }
```

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

```
.background{ background-color: rgb(99, 196,  
122) }
```

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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