

Converting Colors

Yxy(42.2685, 0.2684, 0.4116)

Have a look what the booklet for
Yxy(42.2685, 0.2684, 0.4116)
contains.

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Color

Yxy(42.2722, 0.2688, 0.4123)

Conversions

Conversions Part 1	
Format	Color
Hex	50C28F
RGB	80, 194, 143
RGB Percent	31%, 76%, 56%
CMY	0.6862, 0.2392, 0.4392
CMYK	0.59, 0.00, 0.26, 0.24
HSL	153°, 48%, 54%
HSV	153°, 59%, 76%
XYZ	27.5595, 42.2722, 32.6961
YIQ	154.1000, -51.5730, -40.0290

Conversions

Conversions Part 2

Format	Color
RYB	80, 153, 194
Decimal	5292687
CIELab	71.06, -44.31, 16.17
CIELCh	71, 47.171, 159.951
Yxy	42.2722, 0.2688, 0.4123
Android (android.graphics.Color)	4283482767 (0xFF50C28F)
YUV	154.1000, -5.4723, -64.9857
Hunter-Lab	65.0171, -38.1172, 15.6959

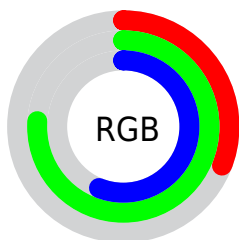
Details

The Yxy color **42.2722, 0.2688, 0.4123** is a dark color, and the websafe version is hex **66CC99**.

The color can be described as middle muted spring green. A complement of this color would be **18.8488, 0.4078, 0.2631**, and the grayscale version is **32.4056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.4289, 0.2773, 0.3950**, and **19.2556, 0.2551, 0.4382** is the 20% darker color. If you saturate the color by 10%, you get **41.2946, 0.2655, 0.4296**, and if you desaturate by 10%, it is **43.5173, 0.2738, 0.3955**.

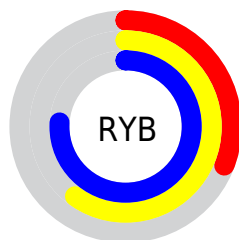
Distribution



Red (31%)

Green (76%)

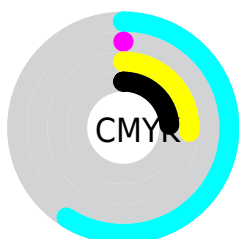
Blue (56%)



Red (31%)

Yellow (60%)

Blue (76%)

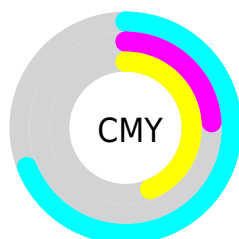


Cyan (59%)

Magenta (0%)

Yellow (26%)

Black (24%)



Cyan (69%)


Magenta (24%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2722, 0.2688, 0.4123 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 42.2722, 0.2688, 0.4123 by changing the saturation by 10% instead.


 42.2722, 0.2688,
0.4123


 42.2722, 0.2688,
0.4123


355.6101, 0.2921,
0.3678

 29.3145, 0.2625,
0.4244


 78.6114, 0.2776,
0.3954


 19.3189, 0.2542,
0.4406

 102.7617, 0.2808,
0.3893

 11.9009, 0.2426,
0.4632


 131.4117, 0.2835,
0.3842

 6.6762, 0.2254,
0.4969

 164.9457, 0.2858,
0.3799

 3.2605, 0.1979,
0.5518

203.7481, 0.2877,
0.3762

 1.2692, 0.0527,
0.8170


248.2034, 0.2894,


 0.1171, 0.0000,


0.3730


1.0000


298.6959, 0.2908,
0.3702

 0.0000, 0.0000,
0.0000


 42.2722, 0.2688,
0.4123


 42.2722, 0.2688,
0.4123

 41.2946, 0.2655,
0.4296


 43.5173, 0.2738,
0.3955


 40.5574, 0.2641,
0.4471


 45.0443, 0.2802,
0.3796


 40.0363, 0.2648,
0.4644


 46.8725, 0.2877,
0.3648


 39.6887, 0.2672,
0.4811


 49.0181, 0.2960,
0.3511


 39.6501, 0.2675,
0.4831

 51.4961, 0.3048,
0.3388

 54.3203, 0.3138,
0.3277

 57.5041, 0.3229,
0.3178

 61.0598, 0.3319,
0.3091

 64.9993, 0.3407,
0.3014

Harmonies

Analogous

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



42.2722, 0.3334, 0.4515



42.2722, 0.2688, 0.4123



42.2722, 0.2193, 0.3430

Triad

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



42.2722, 0.2688, 0.4123



42.2722, 0.2274, 0.2243



42.2722, 0.4463, 0.3563

Complementary

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



42.2722, 0.2688, 0.4123



18.8488, 0.4078, 0.2631

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.



42.2722, 0.4126, 0.3058



42.2722, 0.2688, 0.4123



42.2722, 0.2803, 0.2336

Square

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



42.2722, 0.2688, 0.4123



42.2722, 0.1984, 0.2382



42.2722, 0.3488, 0.2626



42.2722, 0.4385, 0.4065

Rectangle

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



42.2722, 0.2688, 0.4123



42.2722, 0.2002, 0.2978



42.2722, 0.3488, 0.2626



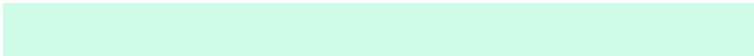
42.2722, 0.4396, 0.3391

Sweetspot

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



42.2739, 0.2688, 0.4123



89.0035, 0.2964, 0.3505



44.0138, 0.3400, 0.4964



19.2230, 0.2939, 0.3544



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.



42.2739, 0.2688, 0.4123



74.3171, 0.2648, 0.4355



41.6971, 0.2388, 0.3202



11.3499, 0.3043, 0.3395



26.0851, 0.2669, 0.4809



1.1408, 0.2565, 0.4435

Inverse Universe

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



18.8488, 0.4078, 0.2631



27.8855, 0.4428, 0.2546



18.6598, 0.4871, 0.3366



10.1511, 0.3220, 0.3187



8.0070, 0.5157, 0.2615



0.3598, 0.4614, 0.2315

Previews

White Background



This preview shows how the Yxy color 42.2722, 0.2688, 0.4123 looks on a white background.

Color Contrast Check

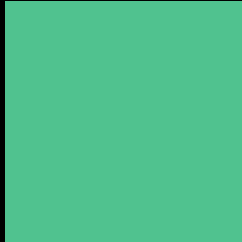
Large Text (above 18pt) WCAG AA × Fail

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 42.2722, 0.2688, 0.4123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

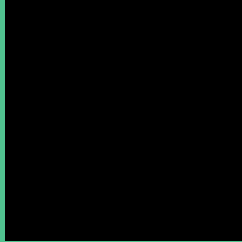
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.2722, 0.2688, 0.4123

Background



This preview shows how black text looks on a background with the Yxy color 42.2722, 0.2688, 0.4123.



This preview shows how white text looks on a background with the Yxy color 42.2722, 0.2688, 0.4123.

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

42.2722, 0.2688, 0.4123

Protanopia

41.3889, 0.3579, 0.3822

Deuteranopia

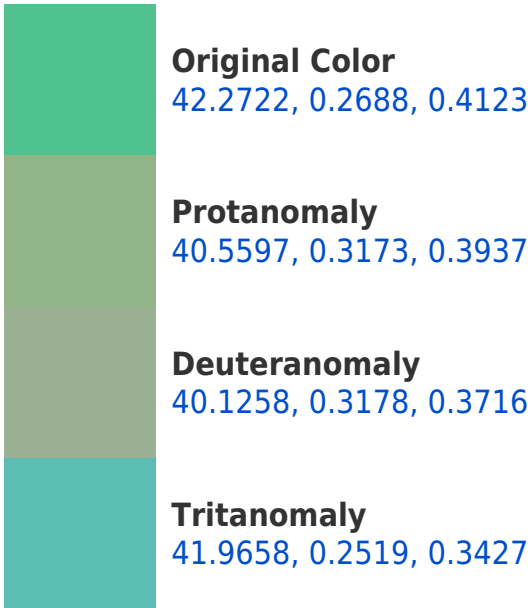
41.4481, 0.3589, 0.3513



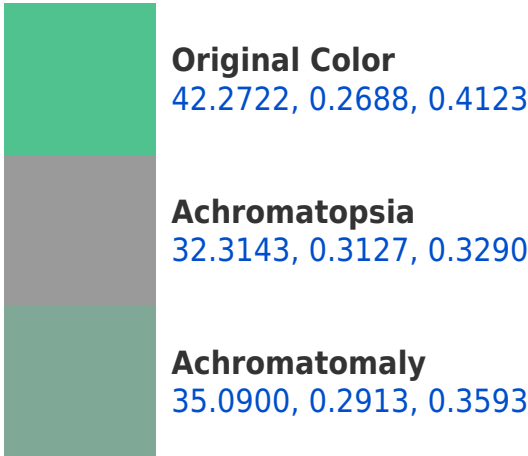
Tritanopia

41.9875, 0.2430, 0.3068

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2722, 0.2688, 0.4123 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(80, 194, 143) looks like.

```
.text, #text, p{  
    color:rgb(80, 194, 143)  
}
```

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(80, 194, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 194, 143) }
```

Border

The CSS property to change the border of an element to Yxy 42.2722, 0.2688, 0.4123 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(80, 194, 143) }
```

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

```
.border{ border-color:rgb(80, 194, 143) }
```

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

Here you see how a box with a 4 pixel rgb(80, 194, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 194, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 194, 143);  
box-shadow:4px 4px 4px 4px rgb(80, 194,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2722, 0.2688, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 194, 143) }
```

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

```
.background{ background-color: rgb(80, 194,  
143) }
```

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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