

Converting Colors

$Yxy(42.1875, 0.2685, 0.4055)$

Have a look what the booklet for
Yxy(42.1875, 0.2685, 0.4055)
contains.

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Color

Yxy(42.1001, 0.2688, 0.4053)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 54C192 |
| RGB | 84, 193, 146 |
| RGB Percent | 33%, 76%, 57% |
| CMY | 0.6702, 0.2432, 0.4274 |
| CMYK | 0.56, 0.00, 0.24, 0.24 |
| HSL | 154°, 47%, 54% |
| HSV | 154°, 56%, 76% |
| XYZ | 27.9213, 42.1001, 33.8525 |
| YIQ | 155.0510, -49.8770, -37.7250 |

Conversions

Conversions Part 2

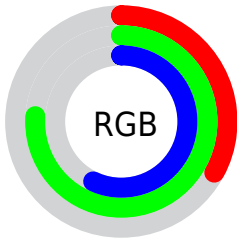
| Format | Color |
|-------------------------------------|--|
| RYB | 84, 153, 193 |
| Decimal | 5554578 |
| CIELab | 70.94, -42.36, 14.41 |
| CIELCh | 71, 44.743, 161.217 |
| Yxy | 42.1001, 0.2688, 0.4053 |
| Android (android.graphics.Color) | 4283744658 (0xFF54C192) |
| YUV | 155.0510, -4.4621, -62.3117 |
| Hunter-Lab | 64.8846, -36.7354, 14.4856 |

Details

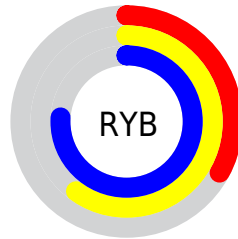
The Yxy color **42.1001, 0.2688, 0.4053** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.3331, 0.4049, 0.2674**, and the grayscale version is **32.8506, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2921, 0.2776, 0.3898**, and **19.3366, 0.2548, 0.4328** is the 20% darker color. If you saturate the color by 10%, you get **41.0796, 0.2650, 0.4219**, and if you desaturate by 10%, it is **43.3882, 0.2743, 0.3893**.

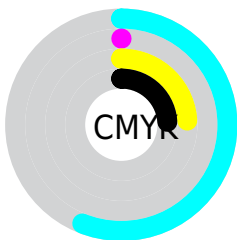
Distribution



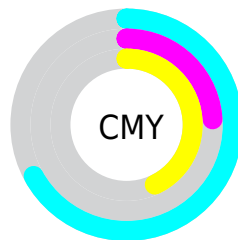
- Red (33%)
- Green (76%)
- Blue (57%)



- Red (33%)
- Yellow (60%)
- Blue (76%)



- Cyan (56%)
- Magenta (0%)
- Yellow (24%)
- Black (24%)





- Cyan (67%)
- Magenta (24%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1001, 0.2688, 0.4053 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 42.1001, 0.2688, 0.4053 by changing the saturation by 10% instead.


 42.1001, 0.2688,
0.4053

 42.1001, 0.2688,
0.4053


354.8977, 0.2920,
0.3646

 29.1797, 0.2626,
0.4163


 78.3511, 0.2775,
0.3899


 19.2168, 0.2544,
0.4310


 102.4505, 0.2807,
0.3843

 11.8270, 0.2431,
0.4515


 131.0449, 0.2834,
0.3796

 6.6260, 0.2264,
0.4820

 164.5189, 0.2856,
0.3757

 3.2293, 0.1999,
0.5318

203.2568, 0.2875,
0.3723

 1.2526, 0.0696,
0.7451

247.6430, 0.2892,

 0.1041, 0.0000,

0.3694

1.0000

298.0618, 0.2907,
0.3669

■ 0.0000, 0.0000,
0.0000

■ 42.1001, 0.2688,
0.4053

■ 42.1001, 0.2688,
0.4053

■ 41.0796, 0.2650,
0.4219

■ 43.3882, 0.2743,
0.3893

■ 40.3006, 0.2630,
0.4387

■ 44.9577, 0.2812,
0.3743

■ 39.7403, 0.2631,
0.4555

■ 46.8271, 0.2891,
0.3603

■ 39.3670, 0.2650,
0.4717

■ 49.0120, 0.2977,
0.3474

■ 39.2567, 0.2660,
0.4774

■ 51.5270, 0.3068,
0.3358

■ 54.3856, 0.3160,
0.3254

■ 57.6006, 0.3254,
0.3162

■ 61.1841, 0.3345,
0.3080

■ 64.6146, 0.3413,
0.3006

Harmonies

Analogous

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



42.1001, 0.3302, 0.4442



42.1001, 0.2688, 0.4053



42.1001, 0.2222, 0.3397

Triad

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



42.1001, 0.2688, 0.4053



42.1001, 0.2330, 0.2288



42.1001, 0.4402, 0.3578

Complementary

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



42.1001, 0.2688, 0.4053



19.3331, 0.4049, 0.2674

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.



42.1001, 0.4096, 0.3091



42.1001, 0.2688, 0.4053



42.1001, 0.2846, 0.2385

Square

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



42.1001, 0.2688, 0.4053



42.1001, 0.2040, 0.2414



42.1001, 0.3500, 0.2671



42.1001, 0.4315, 0.4055

Rectangle

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



42.1001, 0.2688, 0.4053



42.1001, 0.2045, 0.2972



42.1001, 0.3500, 0.2671



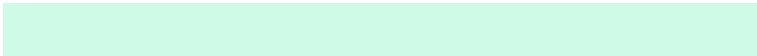
42.1001, 0.4343, 0.3413

Sweetspot

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



42.1018, 0.2688, 0.4053



87.4365, 0.2969, 0.3485



43.6265, 0.3381, 0.4905



18.5804, 0.2952, 0.3510



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.



42.1018, 0.2688, 0.4053



73.1710, 0.2642, 0.4263



40.7448, 0.2401, 0.3178



11.3526, 0.3041, 0.3391



26.1288, 0.2654, 0.4754



1.1426, 0.2553, 0.4392

Inverse Universe

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



19.3331, 0.4049, 0.2674



28.3474, 0.4383, 0.2587



19.5215, 0.4749, 0.3388



10.1484, 0.3223, 0.3191



7.9743, 0.5224, 0.2651



0.3583, 0.4664, 0.2343

Previews

White Background



This preview shows how the Yxy color 42.1001, 0.2688, 0.4053 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 42.1001, 0.2688, 0.4053 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 42.1001, 0.2688, 0.4053

Background



This preview shows how black text looks on a background with the Yxy color 42.1001, 0.2688, 0.4053.



This preview shows how white text looks on a background with the Yxy color 42.1001, 0.2688, 0.4053.

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

42.1001, 0.2688, 0.4053

Protanopia

41.3499, 0.3543, 0.3783

Deuteranopia

41.2752, 0.3541, 0.3474



Tritanopia

42.1016, 0.2440, 0.3069

Trichromacy



Original Color

42.1001, 0.2688, 0.4053



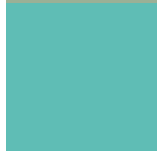
Protanomaly

40.7390, 0.3159, 0.3889



Deuteranomaly

40.2212, 0.3153, 0.3671



Tritanomaly

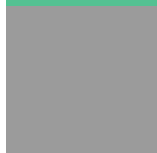
42.1643, 0.2528, 0.3411

Monochromacy



Original Color

42.1001, 0.2688, 0.4053



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

35.3101, 0.2914, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1001, 0.2688, 0.4053 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(84, 193, 146)` looks like.

```
.text, #text, p{  
    color:rgb(84, 193, 146)  
}
```

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(84, 193, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 193, 146) }
```

Border

The CSS property to change the border of an element to Yxy 42.1001, 0.2688, 0.4053 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(84, 193, 146) }
```

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

```
.border{ border-color:rgb(84, 193, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 193, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 193, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 193, 146);  
box-shadow:4px 4px 4px 4px rgb(84, 193,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1001, 0.2688, 0.4053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 193, 146) }
```

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

```
.background{ background-color: rgb(84, 193,  
146) }
```

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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