

Converting Colors

$Yxy(43.6648, 0.2793, 0.4411)$

Have a look what the booklet for
Yxy(43.6648, 0.2793, 0.4411)
contains.

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Color

Yxy(43.8121, 0.2792, 0.4412)

Conversions

Conversions Part 1

Format	Color
Hex	53C681
RGB	83, 198, 129
RGB Percent	33%, 78%, 51%
CMY	0.6744, 0.2235, 0.4941
CMYK	0.58, 0.00, 0.35, 0.22
HSL	144°, 50%, 55%
HSV	144°, 58%, 78%
XYZ	27.7252, 43.8121, 27.7649
YIQ	155.7490, -46.3910, -45.8390

Conversions

Conversions Part 2

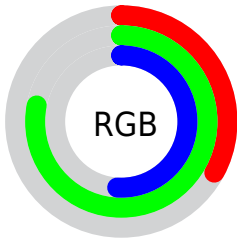
Format	Color
RYB	83, 165, 198
Decimal	5490305
CIELab	72.10, -48.15, 25.08
CIELCh	72, 54.290, 152.492
Yxy	43.8121, 0.2792, 0.4412
Android (android.graphics.Color)	4283680385 (0xFF53C681)
YUV	155.7490, -13.1873, -63.8009
Hunter-Lab	66.1907, -41.0658, 21.4632

Details

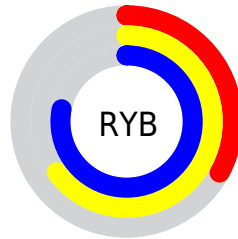
The Yxy color **43.8121, 0.2792, 0.4412** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **20.4634, 0.3794, 0.2422**, and the grayscale version is **33.2065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.5601, 0.2865, 0.4182**, and **20.2094, 0.2665, 0.4795** is the 20% darker color. If you saturate the color by 10%, you get **42.7401, 0.2769, 0.4646**, and if you desaturate by 10%, it is **45.1815, 0.2830, 0.4183**.

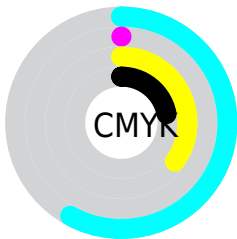
Distribution



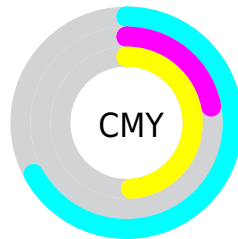
- Red (33%)
- Green (78%)
- Blue (51%)



- Red (33%)
- Yellow (65%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (35%)
- Black (22%)





- Cyan (67%)
- Magenta (22%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.8121, 0.2792, 0.4412 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 43.8121, 0.2792, 0.4412 by changing the saturation by 10% instead.


 43.8121, 0.2792,
0.4412

 43.8121, 0.2792,
0.4412


361.9410, 0.2980,
0.3808


 30.5228, 0.2738,
0.4577


 80.9349, 0.2866,
0.4182

 20.2358, 0.2663,
0.4796


 105.5373, 0.2892,
0.4099

 12.5665, 0.2556,
0.5103


 134.6794, 0.2913,
0.4030

 7.1307, 0.2390,
0.5556

 168.7457, 0.2931,
0.3972

 3.5440, 0.2107,
0.6279

208.1207, 0.2946,
0.3922

 1.4219, 0.0645,
0.9355

253.1886, 0.2959,

 0.2328, 0.0000,

0.3879

1.0000

304.3339, 0.2970,
0.3841

■ 0.0000, 0.0000,
0.0000

■ 43.8121, 0.2792,
0.4412

■ 43.8121, 0.2792,
0.4412

■ 42.7401, 0.2769,
0.4646

■ 45.1815, 0.2830,
0.4183

■ 41.9364, 0.2765,
0.4878

■ 46.8642, 0.2880,
0.3965

■ 41.3751, 0.2779,
0.5098

■ 48.8808, 0.2939,
0.3763

■ 41.0148, 0.2809,
0.5298

■ 51.2491, 0.3004,
0.3578

■ 40.9560, 0.2815,
0.5335

■ 53.9853, 0.3072,
0.3411

■ 57.1045, 0.3140,
0.3263

■ 60.6212, 0.3209,
0.3132

■ 64.5490, 0.3275,
0.3017

■ 67.7014, 0.3292,
0.2911

Harmonies

Analogous

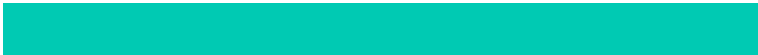
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



43.8121, 0.3529, 0.4719



43.8121, 0.2792, 0.4412



43.8121, 0.2186, 0.3651

Triad

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



43.8121, 0.2792, 0.4412



43.8121, 0.2065, 0.2132



43.8121, 0.4593, 0.3434

Complementary

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



43.8121, 0.2792, 0.4412



20.4634, 0.3794, 0.2422

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.



43.8121, 0.4103, 0.2892



43.8121, 0.2792, 0.4412



43.8121, 0.2587, 0.2180

Square

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



43.8121, 0.2792, 0.4412



43.8121, 0.1817, 0.2347



43.8121, 0.3331, 0.2450



43.8121, 0.4609, 0.4003

Rectangle

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



43.8121, 0.2792, 0.4412



43.8121, 0.1929, 0.3105



43.8121, 0.3331, 0.2450



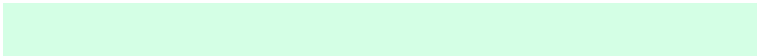
43.8121, 0.4478, 0.3247

Sweetspot

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



43.8139, 0.2792, 0.4412



91.1215, 0.3009, 0.3563



47.8764, 0.3559, 0.4859



19.3073, 0.2996, 0.3599



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.



43.8139, 0.2792, 0.4412



75.2116, 0.2766, 0.4716



45.7142, 0.2480, 0.3490



11.9570, 0.3063, 0.3432



26.6502, 0.2808, 0.5310



1.2761, 0.2690, 0.4882

Inverse Universe

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



20.4634, 0.3794, 0.2422



29.9426, 0.4019, 0.2293



19.0483, 0.4682, 0.3127



10.7420, 0.3198, 0.3152



8.6882, 0.4525, 0.2266



0.4254, 0.4180, 0.2076

Previews

White Background



This preview shows how the Yxy color 43.8121, 0.2792, 0.4412 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 43.8121, 0.2792, 0.4412 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 43.8121, 0.2792, 0.4412

Background



This preview shows how black text looks on a background with the Yxy color 43.8121, 0.2792, 0.4412.



This preview shows how white text looks on a background with the Yxy color 43.8121, 0.2792, 0.4412.

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

43.8121, 0.2792, 0.4412

Protanopia

42.9390, 0.3747, 0.4033

Deuteranopia

42.9046, 0.3782, 0.3697



Tritanopia

43.7581, 0.2452, 0.3073

Trichromacy



Original Color

43.8121, 0.2792, 0.4412



Protanomaly

41.8763, 0.3320, 0.4179



Deuteranomaly

41.5107, 0.3341, 0.3957



Tritanomaly

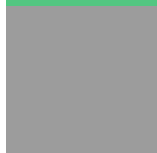
43.4150, 0.2569, 0.3517

Monochromacy



Original Color

43.8121, 0.2792, 0.4412



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.8683, 0.2961, 0.3687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.8121, 0.2792, 0.4412 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(83, 198, 129)` looks like.

```
.text, #text, p{  
    color:rgb(83, 198, 129)  
}
```

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(83, 198, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 198, 129) }
```

Border

The CSS property to change the border of an element to Yxy 43.8121, 0.2792, 0.4412 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(83, 198, 129) }
```

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

```
.border{ border-color:rgb(83, 198, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 198, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 198, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 198, 129);  
box-shadow:4px 4px 4px 4px rgb(83, 198,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 43.8121, 0.2792, 0.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 198, 129) }
```

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

```
.background{ background-color: rgb(83, 198,  
129) }
```

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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