

Converting Colors

$Yxy(41.9464, 0.2419, 0.3284)$

Have a look what the booklet for
Yxy(41.9464, 0.2419, 0.3284)
contains.

Yxy(41.8186, 0.2420, 0.3288)	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(41.8186, 0.2420, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	51BDBD
RGB	81, 189, 189
RGB Percent	32%, 74%, 74%
CMY	0.6821, 0.2588, 0.2589
CMYK	0.57, 0.00, 0.00, 0.26
HSL	180°, 45%, 53%
HSV	180°, 57%, 74%
XYZ	30.7789, 41.8186, 54.5880
YIQ	156.7080, -64.3680, -22.8960

Conversions

Conversions Part 2

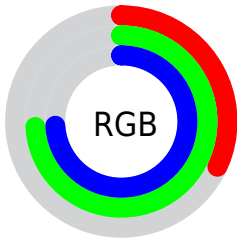
Format	Color
R_{YB}	81, 135, 189
Decimal	5356989
CIE _{Lab}	70.75, -30.55, -9.32
CIE _{LCh}	71, 31.940, 196.967
Yxy	41.8186, 0.2420, 0.3288
Android (android.graphics.Color)	4283547069 (0xFF51BDBD)
YUV	156.7080, 15.9200, -66.3959
Hunter-Lab	64.6673, -28.2093, -4.7817

Details

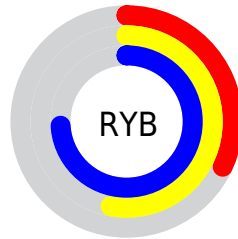
The Yxy color **41.8186, 0.2420, 0.3288** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.3076, 0.4840, 0.3295**, and the grayscale version is **33.5351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1668, 0.2551, 0.3300**, and **19.1055, 0.2241, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **41.0975, 0.2350, 0.3288**, and if you desaturate by 10%, it is **42.7753, 0.2509, 0.3288**.

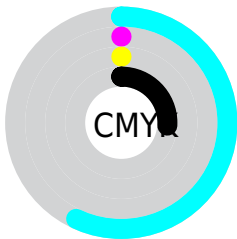
Distribution



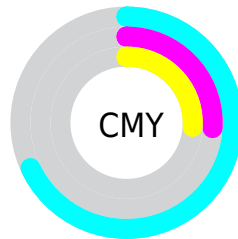
- Red (32%)
- Green (74%)
- Blue (74%)



- Red (32%)
- Yellow (53%)
- Blue (74%)



- Cyan (57%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)





- Cyan (68%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8186, 0.2420, 0.3288 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 41.8186, 0.2420, 0.3288 by changing the saturation by 10% instead.


 41.8186, 0.2420,
0.3288


 41.8186, 0.2420,
0.3288


353.7304, 0.2772,
0.3298


 28.9593, 0.2333,
0.3283


 77.9250, 0.2547,
0.3294


 19.0500, 0.2222,
0.3274


 101.9409, 0.2595,
0.3295

 11.7064, 0.2076,
0.3260


 130.4444, 0.2636,
0.3296

 6.5441, 0.1877,
0.3234

 163.8200, 0.2671,
0.3297

 3.1787, 0.1590,
0.3181

202.4519, 0.2701,
0.3297

 1.2257, 0.0980,
0.3120

246.7247, 0.2728,

 0.0826, 0.0000,

0.3297

0.1002

297.0228, 0.2751,
0.3298

0.0000, 0.0000,
0.0000

41.8186, 0.2420,
0.3288

41.8186, 0.2420,
0.3288

41.0975, 0.2350,
0.3288

42.7753, 0.2509,
0.3288

40.5873, 0.2300,
0.3288

43.9804, 0.2615,
0.3289

40.2667, 0.2267,
0.3288

45.4512, 0.2737,
0.3289

40.1032, 0.2250,
0.3288

47.2024, 0.2872,
0.3289

40.0679, 0.2247,
0.3288

49.2473, 0.3019,
0.3290

■ 51.5988, 0.3172,
0.3290

■ 54.2685, 0.3331,
0.3291

■ 57.2679, 0.3491,
0.3291

■ 60.6075, 0.3651,
0.3292

Harmonies

Analogous

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



41.8186, 0.2742, 0.3743



41.8186, 0.2420, 0.3288



41.8186, 0.2283, 0.2877

Triad

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



41.8186, 0.2420, 0.3288



41.8186, 0.3018, 0.2647



41.8186, 0.3951, 0.3926

Complementary

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



41.8186, 0.2420, 0.3288



17.3076, 0.4840, 0.3295

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.



41.8186, 0.4051, 0.3596



41.8186, 0.2420, 0.3288



41.8186, 0.3490, 0.2889

Square

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



41.8186, 0.2420, 0.3288



41.8186, 0.2607, 0.2548



41.8186, 0.3880, 0.3225



41.8186, 0.3626, 0.4116

Rectangle

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



41.8186, 0.2420, 0.3288



41.8186, 0.2305, 0.2686



41.8186, 0.3880, 0.3225



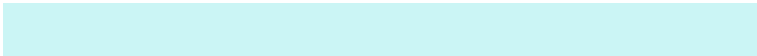
41.8186, 0.4013, 0.3826

Sweetspot

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



41.8202, 0.2420, 0.3288



84.4864, 0.2870, 0.3289



38.8221, 0.3053, 0.5100



18.0248, 0.2842, 0.3289



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.8202, 0.2420, 0.3288



73.2955, 0.2333, 0.3288



23.2687, 0.2234, 0.2417



10.8096, 0.2985, 0.3290



26.9596, 0.2247, 0.3288



1.0560, 0.2247, 0.3288

Inverse Universe

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



17.3076, 0.4840, 0.3295



25.0504, 0.5457, 0.3297



28.2519, 0.4365, 0.3992



9.5364, 0.3288, 0.3290



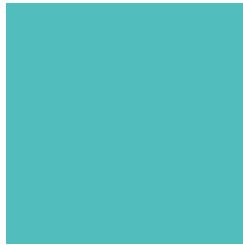
7.2793, 0.6401, 0.3300



0.2851, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 41.8186, 0.2420, 0.3288 looks on a white background.

Color Contrast Check

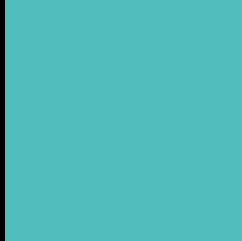
Large Text (above 18pt) WCAG AA × Fail

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 41.8186, 0.2420, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

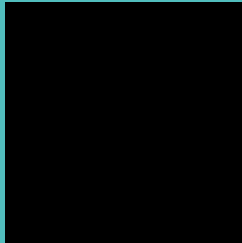
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

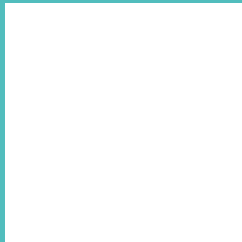
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.8186, 0.2420, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 41.8186, 0.2420, 0.3288.

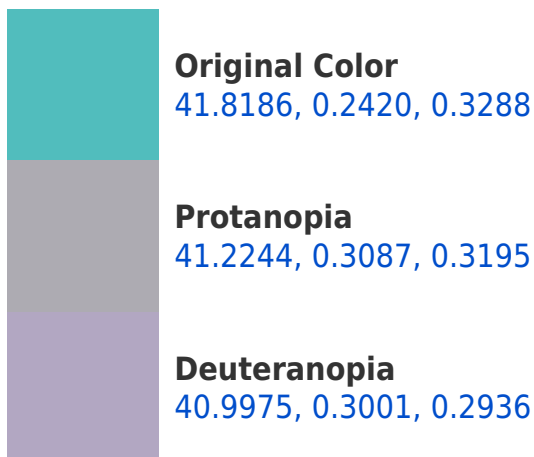


This preview shows how white text looks on a background with the Yxy color 41.8186, 0.2420, 0.3288.

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





Tritanopia

41.7833, 0.2368, 0.3066

Trichromacy



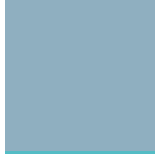
Original Color

41.8186, 0.2420, 0.3288



Protanomaly

40.7936, 0.2786, 0.3231



Deuteranomaly

40.3054, 0.2736, 0.3048



Tritanomaly

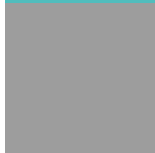
41.8825, 0.2388, 0.3153

Monochromacy



Original Color

41.8186, 0.2420, 0.3288



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.9076, 0.2785, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8186, 0.2420, 0.3288 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(81, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(81, 189, 189)  
}
```

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(81, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 189, 189) }
```

Border

The CSS property to change the border of an element to Yxy 41.8186, 0.2420, 0.3288 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(81, 189, 189) }
```

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

```
.border{ border-color:rgb(81, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(81, 189, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(81, 189, 189); box-shadow:4px 4px 4px 4px rgb(81, 189, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8186, 0.2420, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 189, 189) }
```

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

```
.background{ background-color: rgb(81, 189,  
189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor