

Converting Colors

$Yxy(54.9099, 0.2638, 0.3699)$

Have a look what the booklet for
Yxy(54.9099, 0.2638, 0.3699)
contains.

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Color

Yxy(54.8471, 0.2636, 0.3696)

Conversions

Conversions Part 1

Format	Color
Hex	6DD6B9
RGB	109, 214, 185
RGB Percent	43%, 84%, 73%
CMY	0.5723, 0.1608, 0.2744
CMYK	0.49, 0.00, 0.14, 0.16
HSL	163°, 56%, 63%
HSV	163°, 49%, 84%
XYZ	39.1171, 54.8471, 54.4316
YIQ	179.2990, -53.2710, -31.2790

Conversions

Conversions Part 2

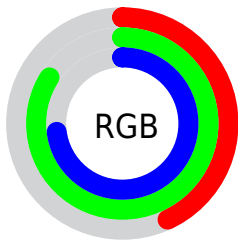
Format	Color
RYB	109, 170, 214
Decimal	7198393
CIELab	78.95, -37.36, 4.98
CIELCh	79, 37.694, 172.405
Yxy	54.8471, 0.2636, 0.3696
Android (android.graphics.Color)	4285388473 (0xFF6DD6B9)
YUV	179.2990, 2.8106, -61.6522
Hunter-Lab	74.0588, -35.3210, 8.2643

Details

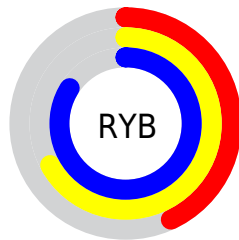
The Yxy color **54.8471, 0.2636, 0.3696** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.0831, 0.4100, 0.2938**, and the grayscale version is **45.2629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9779, 0.2699, 0.3445**, and **27.0906, 0.2505, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **53.4079, 0.2572, 0.3796**, and if you desaturate by 10%, it is **56.6315, 0.2716, 0.3601**.

Distribution



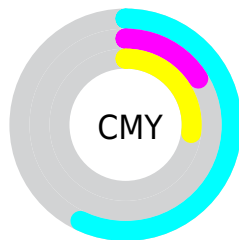
- Red (43%)
- Green (84%)
- Blue (73%)



- Red (43%)
- Yellow (67%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (14%)
- Black (16%)



- Cyan (57%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8471, 0.2636, 0.3696 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 54.8471, 0.2636, 0.3696 by changing the saturation by 10% instead.


 54.8471, 0.2636,
0.3696

 54.8471, 0.2636,
0.3696


405.3321, 0.2876,
0.3495


 39.2793, 0.2578,
0.3746


 97.3169, 0.2722,
0.3623

 26.9771, 0.2504,
0.3809


 124.9877, 0.2755,
0.3596

 17.5560, 0.2408,
0.3894


 157.4616, 0.2782,
0.3572

 10.6317, 0.2277,
0.4010

195.1231, 0.2806,
0.3552

 5.8198, 0.2090,
0.4181

238.3565, 0.2827,
0.3535

 2.7358, 0.1801,
0.4455

287.5462, 0.2845,

 0.9954, 0.0171,

0.3520

0.5668

343.0766, 0.2862,
0.3507

0.0000, 0.0000,
0.0000

54.8471, 0.2636,
0.3696

54.8471, 0.2636,
0.3696

53.4079, 0.2572,
0.3796

56.6315, 0.2716,
0.3601

52.2827, 0.2526,
0.3899

58.7765, 0.2809,
0.3511

51.4459, 0.2500,
0.4003

61.3046, 0.2913,
0.3428

50.8646, 0.2494,
0.4108


64.2343, 0.3023,
0.3352


50.4860, 0.2505,
0.4211


67.5831, 0.3138,
0.3284

 50.4534, 0.2506,
0.4221

 71.3674, 0.3256,
0.3222

 74.8626, 0.3344,
0.3166

 75.1935, 0.3302,
0.3108

 75.5356, 0.3261,
0.3050

Harmonies

Analogous

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



54.8471, 0.3092, 0.4084



54.8471, 0.2636, 0.3696



54.8471, 0.2326, 0.3196

Triad

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



54.8471, 0.2636, 0.3696



54.8471, 0.2637, 0.2502



54.8471, 0.4125, 0.3683

Complementary

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



54.8471, 0.2636, 0.3696



27.0831, 0.4100, 0.2938

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.



54.8471, 0.3994, 0.3288



54.8471, 0.2636, 0.3696



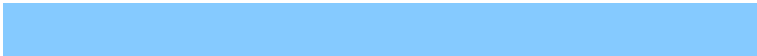
54.8471, 0.3099, 0.2639

Square

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



54.8471, 0.2636, 0.3696



54.8471, 0.2329, 0.2542



54.8471, 0.3605, 0.2918



54.8471, 0.3964, 0.4022

Rectangle

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



54.8471, 0.2636, 0.3696



54.8471, 0.2231, 0.2900



54.8471, 0.3605, 0.2918



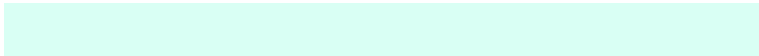
54.8471, 0.4114, 0.3553

Sweetspot

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



54.8493, 0.2636, 0.3696



92.7916, 0.2955, 0.3398



54.6674, 0.3250, 0.4747



19.6687, 0.2932, 0.3414



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.



54.8493, 0.2636, 0.3696



79.3230, 0.2569, 0.3802



45.4854, 0.2426, 0.2972



14.0466, 0.3019, 0.3355



30.5160, 0.2502, 0.4206



1.8542, 0.2452, 0.4027

Inverse Universe

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



27.0831, 0.4100, 0.2938



33.3502, 0.4444, 0.2881



31.8495, 0.4342, 0.3572



12.4766, 0.3248, 0.3226



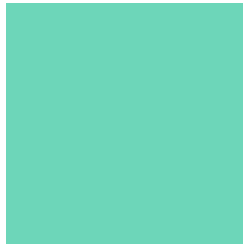
8.8478, 0.5831, 0.2986



0.5477, 0.5331, 0.2710

Previews

White Background



This preview shows how the Yxy color 54.8471, 0.2636, 0.3696 looks on a white background.

Color Contrast Check

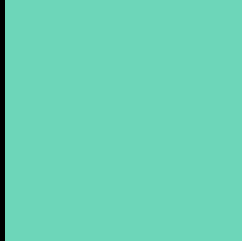
Large Text (above 18pt) WCAG AA × Fail

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 54.8471, 0.2636, 0.3696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

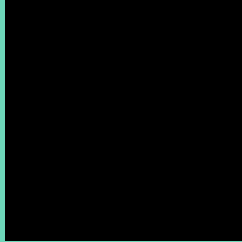
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

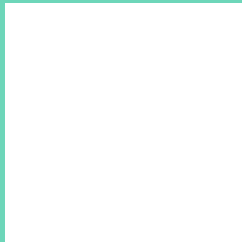
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.8471, 0.2636, 0.3696

Background



This preview shows how black text looks on a background with the Yxy color 54.8471, 0.2636, 0.3696.



This preview shows how white text looks on a background with the Yxy color 54.8471, 0.2636, 0.3696.

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

54.8471, 0.2636, 0.3696

Protanopia

54.1961, 0.3346, 0.3536

Deuteranopia

54.0242, 0.3321, 0.3255



Tritanopia

54.6129, 0.2472, 0.3066

Trichromacy



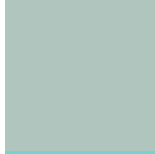
Original Color

54.8471, 0.2636, 0.3696



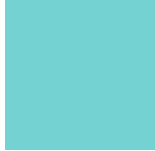
Protanomaly

53.3125, 0.3037, 0.3592



Deuteranomaly

52.8367, 0.3021, 0.3392



Tritanomaly

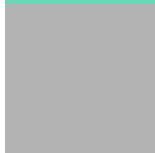
54.5282, 0.2534, 0.3288

Monochromacy



Original Color

54.8471, 0.2636, 0.3696



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

47.9055, 0.2910, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8471, 0.2636, 0.3696 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(109, 214, 185)` looks like.

```
.text, #text, p{  
    color:rgb(109, 214, 185)  
}
```

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(109, 214, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 214, 185) }
```

Border

The CSS property to change the border of an element to Yxy 54.8471, 0.2636, 0.3696 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(109, 214, 185) }
```

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

```
.border{ border-color:rgb(109, 214, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 214, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 214, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 214, 185);  
box-shadow:4px 4px 4px 4px rgb(109, 214,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8471, 0.2636, 0.3696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 214, 185) }
```

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

```
.background{ background-color: rgb(109,  
214, 185) }
```

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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