

Converting Colors

$Yxy(53.9770, 0.2634, 0.3867)$

Have a look what the booklet for
Yxy(53.9770, 0.2634, 0.3867)
contains.

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Color

Yxy(54.1828, 0.2631, 0.3867)

Conversions

Conversions Part 1

Format	Color
Hex	60D7AF
RGB	96, 215, 175
RGB Percent	38%, 84%, 69%
CMY	0.6234, 0.1569, 0.3138
CMYK	0.55, 0.00, 0.19, 0.16
HSL	160°, 60%, 61%
HSV	160°, 55%, 84%
XYZ	36.8645, 54.1828, 49.0686
YIQ	174.8590, -58.0840, -37.6680

Conversions

Conversions Part 2

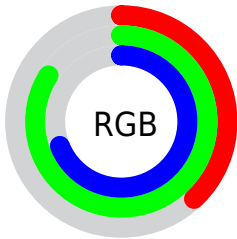
Format	Color
RYB	96, 168, 215
Decimal	6346671
CIELab	78.57, -42.99, 9.71
CIELCh	79, 44.069, 167.268
Yxy	54.1828, 0.2631, 0.3867
Android (android.graphics.Color)	4284536751 (0xFF60D7AF)
YUV	174.8590, 0.0695, -69.1593
Hunter-Lab	73.6090, -39.4202, 12.0029

Details

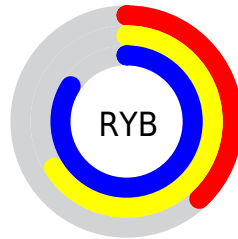
The Yxy color **54.1828, 0.2631, 0.3867** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.5994, 0.4195, 0.2815**, and the grayscale version is **42.8211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2581, 0.2694, 0.3563**, and **26.4330, 0.2489, 0.4018** is the 20% darker color. If you saturate the color by 10%, you get **52.8968, 0.2583, 0.3994**, and if you desaturate by 10%, it is **55.8072, 0.2696, 0.3745**.

Distribution



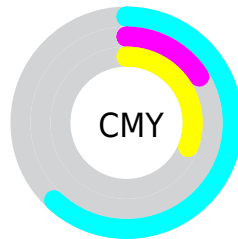
- Red (38%)
- Green (84%)
- Blue (69%)



- Red (38%)
- Yellow (66%)
- Blue (84%)



- Cyan (55%)
- Magenta (0%)
- Yellow (19%)
- Black (16%)




- Cyan (62%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1828, 0.2631, 0.3867 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 54.1828, 0.2631, 0.3867 by changing the saturation by 10% instead.


 54.1828, 0.2631,
0.3867


 54.1828, 0.2631,
0.3867


402.8067, 0.2877,
0.3576


 38.7478, 0.2570,
0.3941


 96.3426, 0.2720,
0.3760

 26.5636, 0.2493,
0.4035


 123.8362, 0.2753,
0.3721

 17.2458, 0.2392,
0.4162


 156.1181, 0.2782,
0.3687

 10.4099, 0.2252,
0.4340

 193.5728, 0.2806,
0.3658

 5.6715, 0.2048,
0.4607

236.5846, 0.2827,
0.3633

 2.6464, 0.1728,
0.5048

285.5379, 0.2846,

 0.9500, 0.0000,

0.3612

0.7287

340.8172, 0.2862,
0.3593

■ 0.0000, 0.0000,
0.0000

■ 54.1828, 0.2631,
0.3867

■ 54.1828, 0.2631,
0.3867

■ 52.8968, 0.2583,
0.3994

■ 55.8072, 0.2696,
0.3745

■ 51.9158, 0.2554,
0.4123

■ 57.7875, 0.2776,
0.3630

■ 51.2107, 0.2546,
0.4253


■ 60.1473, 0.2866,
0.3522


■ 50.7434, 0.2557,
0.4381

■ 62.9068, 0.2966,
0.3424

■ 50.5749, 0.2567,
0.4440

■ 66.0842, 0.3070,
0.3334

 69.6970, 0.3178,
0.3254

 73.7614, 0.3286,
0.3182

 75.7350, 0.3297,
0.3113

 76.1564, 0.3247,
0.3042

Harmonies

Analogous

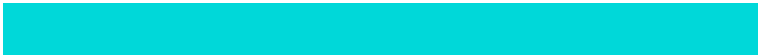
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



54.1828, 0.3177, 0.4284



54.1828, 0.2631, 0.3867



54.1828, 0.2242, 0.3270

Triad

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



54.1828, 0.2631, 0.3867



54.1828, 0.2480, 0.2374



54.1828, 0.4296, 0.3655

Complementary

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



54.1828, 0.2631, 0.3867



24.5994, 0.4195, 0.2815

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.



54.1828, 0.4086, 0.3202



54.1828, 0.2631, 0.3867



54.1828, 0.2989, 0.2500

Square

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



54.1828, 0.2631, 0.3867



54.1828, 0.2166, 0.2450



54.1828, 0.3587, 0.2794



54.1828, 0.4155, 0.4074

Rectangle

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



54.1828, 0.2631, 0.3867



54.1828, 0.2109, 0.2906



54.1828, 0.3587, 0.2794



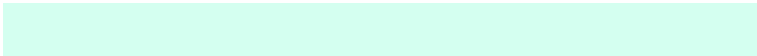
54.1828, 0.4265, 0.3503

Sweetspot

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



54.1850, 0.2631, 0.3867



91.7814, 0.2947, 0.3441



54.8221, 0.3308, 0.4922



19.4631, 0.2927, 0.3461



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.



54.1850, 0.2631, 0.3867



77.6275, 0.2578, 0.4011



47.3990, 0.2378, 0.3039



14.0336, 0.3027, 0.3370



30.2703, 0.2562, 0.4421



1.8409, 0.2500, 0.4201

Inverse Universe

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



24.5994, 0.4195, 0.2815



30.0202, 0.4555, 0.2756



27.3012, 0.4640, 0.3505



12.4890, 0.3239, 0.3212



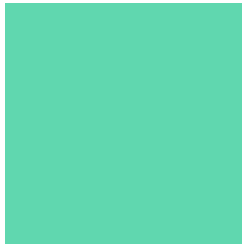
8.9411, 0.5615, 0.2867



0.5545, 0.5127, 0.2598

Previews

White Background



This preview shows how the Yxy color 54.1828, 0.2631, 0.3867 looks on a white background.

Color Contrast Check

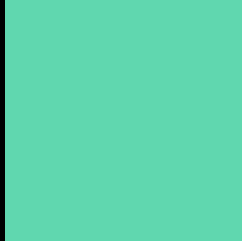
Large Text (above 18pt) WCAG AA × Fail

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 54.1828, 0.2631, 0.3867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

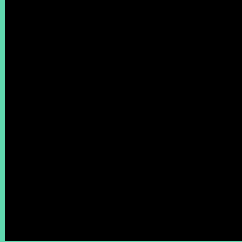
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

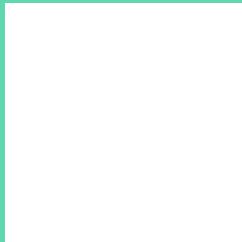
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.1828, 0.2631, 0.3867

Background



This preview shows how black text looks on a background with the Yxy color 54.1828, 0.2631, 0.3867.

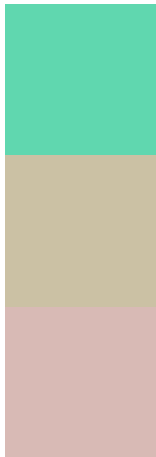


This preview shows how white text looks on a background with the Yxy color 54.1828, 0.2631, 0.3867.

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

54.1828, 0.2631, 0.3867

Protanopia

53.5168, 0.3435, 0.3648

Deuteranopia

53.0529, 0.3424, 0.3350



Tritanopia

53.9927, 0.2430, 0.3064

Trichromacy



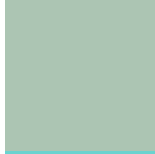
Original Color

54.1828, 0.2631, 0.3867



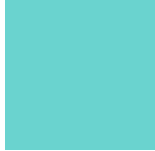
Protanomaly

52.4930, 0.3076, 0.3732



Deuteranomaly

51.9578, 0.3061, 0.3526



Tritanomaly

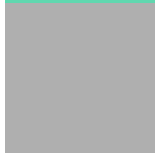
54.1577, 0.2500, 0.3343

Monochromacy



Original Color

54.1828, 0.2631, 0.3867



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.0330, 0.2891, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1828, 0.2631, 0.3867 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(96, 215, 175)` looks like.

```
.text, #text, p{  
    color:rgb(96, 215, 175)  
}
```

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(96, 215, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 215, 175) }
```

Border

The CSS property to change the border of an element to Yxy 54.1828, 0.2631, 0.3867 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(96, 215, 175) }
```

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

```
.border{ border-color:rgb(96, 215, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 215, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 215, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 215, 175);  
box-shadow:4px 4px 4px 4px rgb(96, 215,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1828, 0.2631, 0.3867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 215, 175) }
```

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

```
.background{ background-color: rgb(96, 215,  
175) }
```

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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