

Converting Colors

Yxy(54.1724, 0.2606, 0.3698)

Have a look what the booklet for
Yxy(54.1724, 0.2606, 0.3698)
contains.

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Color

Yxy(53.9748, 0.2605, 0.3686)

Conversions

Conversions Part 1

Format	Color
Hex	67D5B9
RGB	103, 213, 185
RGB Percent	40%, 84%, 73%
CMY	0.5961, 0.1647, 0.2745
CMYK	0.52, 0.00, 0.13, 0.16
HSL	165°, 57%, 62%
HSV	165°, 52%, 84%
XYZ	38.1455, 53.9748, 54.3116
YIQ	176.9180, -56.5720, -32.0280

Conversions

Conversions Part 2

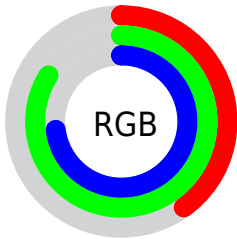
Format	Color
RYB	103, 166, 213
Decimal	6804921
CIELab	78.45, -38.29, 4.23
CIElCh	78, 38.520, 173.701
Yxy	53.9748, 0.2605, 0.3686
Android (android.graphics.Color)	4284995001 (0xFF67D5B9)
YUV	176.9180, 3.9844, -64.8261
Hunter-Lab	73.4675, -35.8882, 7.5966

Details

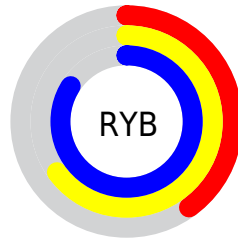
The Yxy color **53.9748, 0.2605, 0.3686** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **25.4865, 0.4214, 0.2952**, and the grayscale version is **43.9238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4479, 0.2675, 0.3445**, and **26.5510, 0.2467, 0.3802** is the 20% darker color. If you saturate the color by 10%, you get **52.6491, 0.2544, 0.3778**, and if you desaturate by 10%, it is **55.6343, 0.2683, 0.3598**.

Distribution



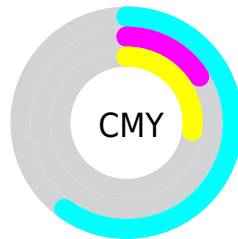
- Red (40%)
- Green (84%)
- Blue (73%)



- Red (40%)
- Yellow (65%)
- Blue (84%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (16%)




- Cyan (60%)
- Magenta (16%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.9748, 0.2605, 0.3686 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 53.9748, 0.2605, 0.3686 by changing the saturation by 10% instead.


 53.9748, 0.2605,
0.3686

 53.9748, 0.2605,
0.3686


402.0139, 0.2860,
0.3490


 38.5815, 0.2543,
0.3735

 96.0372, 0.2696,
0.3615


 26.4343, 0.2465,
0.3796


 123.4752, 0.2731,
0.3588

 17.1488, 0.2362,
0.3878


 155.6968, 0.2761,
0.3566

 10.3407, 0.2223,
0.3991

 193.0865, 0.2786,
0.3546

 5.6254, 0.2024,
0.4157

236.0287, 0.2808,
0.3529

 2.6187, 0.1718,
0.4423

284.9077, 0.2828,

 0.9361, 0.0000,

0.3514

0.5643

340.1080, 0.2845,
0.3501

■ 0.0000, 0.0000,
0.0000

■ 53.9748, 0.2605,
0.3686

■ 53.9748, 0.2605,
0.3686

■ 52.6491, 0.2544,
0.3778

■ 55.6343, 0.2683,
0.3598

■ 51.6258, 0.2501,
0.3873

■ 57.6435, 0.2775,
0.3514

■ 50.8784, 0.2478,
0.3968

■ 60.0249, 0.2879,
0.3436

■ 50.3727, 0.2475,
0.4063

■ 62.7973, 0.2991,
0.3365

■ 50.0861, 0.2484,
0.4142

■ 65.9782, 0.3108,
0.3300

■ 69.5841, 0.3228,
0.3242

■ 73.6304, 0.3348,
0.3190

■ 74.4721, 0.3331,
0.3136

■ 74.7786, 0.3292,
0.3083

Harmonies

Analogous

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



53.9748, 0.3068, 0.4096



53.9748, 0.2605, 0.3686



53.9748, 0.2296, 0.3170

Triad

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



53.9748, 0.2605, 0.3686



53.9748, 0.2642, 0.2485



53.9748, 0.4151, 0.3708

Complementary

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



53.9748, 0.2605, 0.3686



25.4865, 0.4214, 0.2952

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.



53.9748, 0.4030, 0.3304



53.9748, 0.2605, 0.3686



53.9748, 0.3120, 0.2633

Square

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



53.9748, 0.2605, 0.3686



53.9748, 0.2319, 0.2517



53.9748, 0.3639, 0.2924



53.9748, 0.3973, 0.4053

Rectangle

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



53.9748, 0.2605, 0.3686



53.9748, 0.2206, 0.2871



53.9748, 0.3639, 0.2924



53.9748, 0.4145, 0.3576

Sweetspot

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



53.9769, 0.2605, 0.3686



92.8423, 0.2951, 0.3389



53.5020, 0.3238, 0.4838



19.6810, 0.2927, 0.3404



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.



53.9769, 0.2605, 0.3686



78.9502, 0.2539, 0.3788



43.3716, 0.2391, 0.2925



14.0514, 0.3016, 0.3350



30.6112, 0.2480, 0.4128



1.8593, 0.2435, 0.3965

Inverse Universe

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



25.4865, 0.4214, 0.2952



31.6009, 0.4598, 0.2904



30.7398, 0.4424, 0.3607



12.4722, 0.3251, 0.3231



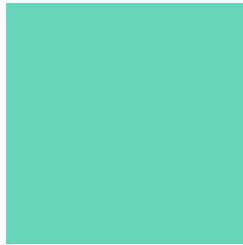
8.8190, 0.5902, 0.3025



0.5454, 0.5403, 0.2750

Previews

White Background



This preview shows how the Yxy color 53.9748, 0.2605, 0.3686 looks on a white background.

Color Contrast Check

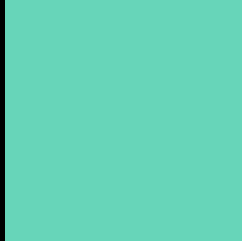
Large Text (above 18pt) WCAG AA × Fail

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 53.9748, 0.2605, 0.3686 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

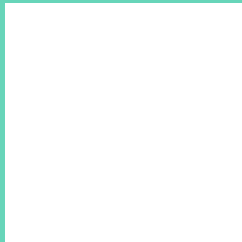
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.9748, 0.2605, 0.3686

Background



This preview shows how black text looks on a background with the Yxy color 53.9748, 0.2605, 0.3686.

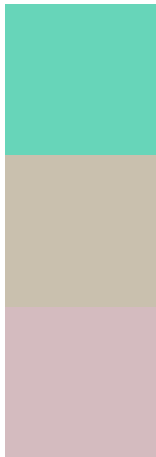


This preview shows how white text looks on a background with the Yxy color 53.9748, 0.2605, 0.3686.

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

53.9748, 0.2605, 0.3686

Protanopia

53.1728, 0.3341, 0.3512

Deuteranopia

53.2993, 0.3306, 0.3243



Tritanopia

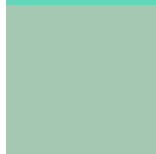
53.6523, 0.2446, 0.3064

Trichromacy



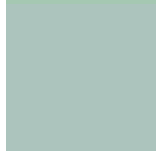
Original Color

53.9748, 0.2605, 0.3686



Protanomaly

52.5222, 0.3014, 0.3581



Deuteranomaly

51.9246, 0.2991, 0.3380



Tritanomaly

53.6336, 0.2503, 0.3275

Monochromacy



Original Color

53.9748, 0.2605, 0.3686



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

46.6062, 0.2886, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.9748, 0.2605, 0.3686 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(103, 213, 185)` looks like.

```
.text, #text, p{  
    color:rgb(103, 213, 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(103, 213, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 213, 185) }
```

Border

The CSS property to change the border of an element to Yxy 53.9748, 0.2605, 0.3686 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(103, 213, 185) }
```

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

```
.border{ border-color:rgb(103, 213, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 213, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 213, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 213, 185);  
box-shadow:4px 4px 4px 4px rgb(103, 213,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 53.9748, 0.2605, 0.3686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 213, 185) }
```

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

```
.background{ background-color: rgb(103,  
213, 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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