

Converting Colors

$Yxy(51.3836, 0.2707, 0.3871)$

Have a look what the booklet for
Yxy(51.3836, 0.2707, 0.3871)
contains.

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Color

Yxy(51.5913, 0.2704, 0.3873)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6BD1A9 |
| RGB | 107, 209, 169 |
| RGB Percent | 42%, 82%, 66% |
| CMY | 0.5807, 0.1803, 0.3372 |
| CMYK | 0.49, 0.00, 0.19, 0.18 |
| HSL | 156°, 53%, 62% |
| HSV | 156°, 49%, 82% |
| XYZ | 36.0193, 51.5913, 45.5970 |
| YIQ | 173.9420, -47.9520, -34.0640 |

Conversions

Conversions Part 2

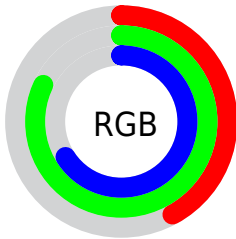
| Format | Color |
|-------------------------------------|--|
| RYB | 107, 170, 209 |
| Decimal | 7066025 |
| CIELab | 77.04, -39.19, 10.78 |
| CIELCh | 77, 40.643, 164.626 |
| Yxy | 51.5913, 0.2704, 0.3873 |
| Android (android.graphics.Color) | 4285256105 (0xFF6BD1A9) |
| YUV | 173.9420, -2.4364, -58.7081 |
| Hunter-Lab | 71.8271, -36.1845, 12.6407 |

Details

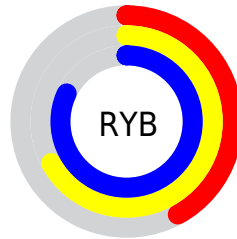
The Yxy color **51.5913, 0.2704, 0.3873** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.1635, 0.3930, 0.2793**, and the grayscale version is **42.3202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7943, 0.2772, 0.3642**, and **24.9999, 0.2581, 0.4048** is the 20% darker color. If you saturate the color by 10%, you get **50.1535, 0.2649, 0.4019**, and if you desaturate by 10%, it is **53.3655, 0.2773, 0.3734**.

Distribution



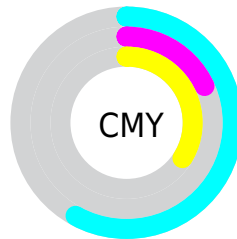
- Red (42%)
- Green (82%)
- Blue (66%)



- Red (42%)
- Yellow (67%)
- Blue (82%)



- Cyan (49%)
- Magenta (0%)
- Yellow (19%)
- Black (18%)





- Cyan (58%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.5913, 0.2704, 0.3873 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 51.5913, 0.2704, 0.3873 by changing the saturation by 10% instead.


 51.5913, 0.2704,
0.3873


 51.5913, 0.2704,
0.3873


392.8568, 0.2917,
0.3575

 36.6794, 0.2651,
0.3949


 92.5282, 0.2782,
0.3763

 24.9594, 0.2582,
0.4048


 119.3220, 0.2811,
0.3723

 16.0468, 0.2491,
0.4181


 150.8453, 0.2835,
0.3689

 9.5573, 0.2363,
0.4370

 187.4823, 0.2856,
0.3659

 5.1064, 0.2173,
0.4659

229.6176, 0.2874,
0.3634

 2.3098, 0.1863,
0.5149

277.6355, 0.2890,


 0.7789, 0.0000,


0.3612


0.8915


331.9204, 0.2904,
0.3593

 0.0000, 0.0000,
0.0000


 51.5913, 0.2704,
0.3873


 51.5913, 0.2704,
0.3873


 50.1535, 0.2649,
0.4019


 53.3655, 0.2773,
0.3734

 49.0226, 0.2613,
0.4170


 55.4909, 0.2855,
0.3605


 48.1743, 0.2595,
0.4323


 57.9888, 0.2945,
0.3485

 47.5773, 0.2599,
0.4475

 60.8771, 0.3040,
0.3377

 47.1823, 0.2620,
0.4623


 64.1723, 0.3139,
0.3279

 47.1417, 0.2622,
0.4640

 67.8900, 0.3238,
0.3192

 72.0452, 0.3337,
0.3115

 72.8385, 0.3291,
0.3035

 73.3218, 0.3233,
0.2956

Harmonies

Analogous

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



51.5913, 0.3225, 0.4235



51.5913, 0.2704, 0.3873



51.5913, 0.2318, 0.3324

Triad

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



51.5913, 0.2704, 0.3873



51.5913, 0.2484, 0.2423



51.5913, 0.4219, 0.3602

Complementary

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



51.5913, 0.2704, 0.3873



26.1635, 0.3930, 0.2793

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.



51.5913, 0.3993, 0.3173



51.5913, 0.2704, 0.3873



51.5913, 0.2951, 0.2526

Square

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



51.5913, 0.2704, 0.3873



51.5913, 0.2204, 0.2517



51.5913, 0.3511, 0.2793



51.5913, 0.4118, 0.4002

Rectangle

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



51.5913, 0.2704, 0.3873



51.5913, 0.2177, 0.2974



51.5913, 0.3511, 0.2793



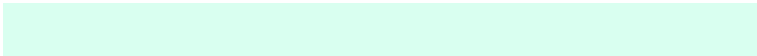
51.5913, 0.4180, 0.3458

Sweetspot

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



51.5934, 0.2704, 0.3873



92.5252, 0.2979, 0.3444



52.9411, 0.3339, 0.4698



19.6043, 0.2959, 0.3468



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.



51.5934, 0.2704, 0.3873



78.4831, 0.2646, 0.4032



48.4827, 0.2462, 0.3146



13.3253, 0.3035, 0.3383



29.0822, 0.2616, 0.4619



1.6414, 0.2541, 0.4347

Inverse Universe

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



26.1635, 0.3930, 0.2793



33.9346, 0.4216, 0.2704



27.3729, 0.4415, 0.3421



11.8839, 0.3230, 0.3199



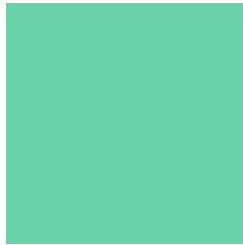
8.7507, 0.5394, 0.2745



0.5047, 0.4904, 0.2475

Previews

White Background



This preview shows how the Yxy color 51.5913, 0.2704, 0.3873 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 51.5913, 0.2704, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

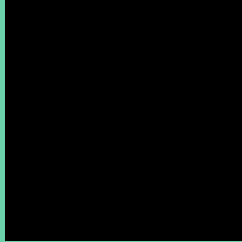
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.5913, 0.2704, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 51.5913, 0.2704, 0.3873.



This preview shows how white text looks on a background with the Yxy color 51.5913, 0.2704, 0.3873.

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

51.5913, 0.2704, 0.3873

Protanopia

51.0405, 0.3450, 0.3667

Deuteranopia

50.6972, 0.3456, 0.3375



Tritanopia

51.4205, 0.2488, 0.3062

Trichromacy



Original Color

51.5913, 0.2704, 0.3873



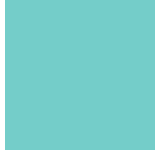
Protanomaly

50.2312, 0.3130, 0.3736



Deuteranomaly

49.7151, 0.3123, 0.3541



Tritanomaly

51.5927, 0.2565, 0.3344

Monochromacy



Original Color

51.5913, 0.2704, 0.3873



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.0032, 0.2941, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.5913, 0.2704, 0.3873 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(107, 209, 169)` looks like.

```
.text, #text, p{  
    color:rgb(107, 209, 169)  
}
```

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(107, 209, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 209, 169) }
```

Border

The CSS property to change the border of an element to Yxy 51.5913, 0.2704, 0.3873 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(107, 209, 169) }
```

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

```
.border{ border-color:rgb(107, 209, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 209, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 209, 169); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 209, 169); box-shadow:4px 4px 4px 4px rgb(107, 209, 169) }
```


Background

The CSS property to change the background color of an element to Yxy 51.5913, 0.2704, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 209, 169) }
```

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

```
.background{ background-color: rgb(107,  
209, 169) }
```

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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