

Converting Colors

$Yxy(51.9445, 0.2607, 0.3739)$

Have a look what the booklet for
Yxy(51.9445, 0.2607, 0.3739)
contains.

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Color

Yxy(51.9445, 0.2607, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	62D2B3
RGB	98, 210, 179
RGB Percent	38%, 82%, 70%
CMY	0.6158, 0.1764, 0.2980
CMYK	0.53, 0.00, 0.15, 0.18
HSL	163°, 55%, 60%
HSV	163°, 53%, 82%
XYZ	36.2181, 51.9445, 50.7636
YIQ	172.9780, -56.8010, -33.3850

Conversions

Conversions Part 2

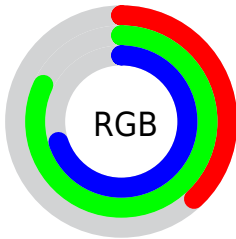
Format	Color
RYB	98, 163, 210
Decimal	6476467
CIELab	77.25, -39.44, 5.69
CIElCh	77, 39.845, 171.790
Yxy	51.9445, 0.2607, 0.3739
Android (android.graphics.Color)	4284666547 (0xFF62D2B3)
YUV	172.9780, 2.9688, -65.7557
Hunter-Lab	72.0725, -36.4267, 8.6904

Details

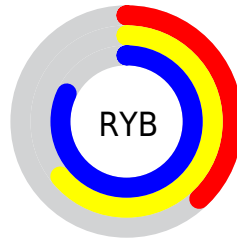
The Yxy color **51.9445, 0.2607, 0.3739** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.0187, 0.4232, 0.2912**, and the grayscale version is **41.7818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5861, 0.2680, 0.3516**, and **25.2404, 0.2467, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **50.6977, 0.2550, 0.3841**, and if you desaturate by 10%, it is **53.5118, 0.2681, 0.3642**.

Distribution



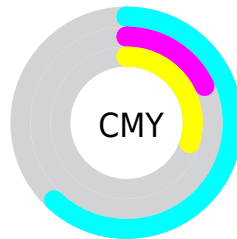
- Red (38%)
- Green (82%)
- Blue (70%)



- Red (38%)
- Yellow (64%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)




- Cyan (62%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.9445, 0.2607, 0.3739 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 51.9445, 0.2607, 0.3739 by changing the saturation by 10% instead.

 51.9445, 0.2607,
0.3739


 51.9445, 0.2607,
0.3739


394.2223, 0.2864,
0.3514

 36.9608, 0.2544,
0.3796


 93.0494, 0.2700,
0.3657


 25.1772, 0.2464,
0.3868


 119.9394, 0.2734,
0.3626

 16.2091, 0.2358,
0.3965


 151.5670, 0.2764,
0.3600

 9.6722, 0.2214,
0.4101

 188.3165, 0.2790,
0.3578

 5.1822, 0.2005,
0.4303

230.5724, 0.2812,
0.3558

 2.3546, 0.1677,
0.4635

278.7191, 0.2831,

 0.8024, 0.0000,

0.3542

0.6277

333.1409, 0.2849,
0.3527

■ 0.0000, 0.0000,
0.0000

■ 51.9445, 0.2607,
0.3739

■ 51.9445, 0.2607,
0.3739

■ 50.6977, 0.2550,
0.3841

■ 53.5118, 0.2681,
0.3642

■ 49.7404, 0.2513,
0.3945

■ 55.4152, 0.2768,
0.3549

■ 49.0464, 0.2495,
0.4049

■ 57.6770, 0.2868,
0.3463

■ 48.5814, 0.2497,
0.4153

■ 60.3154, 0.2975,
0.3384

■ 48.3595, 0.2506,
0.4222

■ 63.3476, 0.3088,
0.3312

■ 66.7897, 0.3205,
0.3248

■ 70.6568, 0.3322,
0.3190

■ 72.8200, 0.3355,
0.3135

■ 73.1437, 0.3313,
0.3077

Harmonies

Analogous

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



51.9445, 0.3097, 0.4156



51.9445, 0.2607, 0.3739



51.9445, 0.2273, 0.3196

Triad

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



51.9445, 0.2607, 0.3739



51.9445, 0.2592, 0.2447



51.9445, 0.4201, 0.3697

Complementary

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



51.9445, 0.2607, 0.3739



24.0187, 0.4232, 0.2912

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.



51.9445, 0.4055, 0.3276



51.9445, 0.2607, 0.3739



51.9445, 0.3083, 0.2590

Square

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



51.9445, 0.2607, 0.3739



51.9445, 0.2269, 0.2492



51.9445, 0.3630, 0.2884



51.9445, 0.4031, 0.4066

Rectangle

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



51.9445, 0.2607, 0.3739



51.9445, 0.2171, 0.2876



51.9445, 0.3630, 0.2884



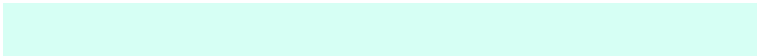
51.9445, 0.4188, 0.3558

Sweetspot

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



51.9466, 0.2607, 0.3739



92.3601, 0.2944, 0.3406



51.7016, 0.3252, 0.4885



19.5835, 0.2922, 0.3422



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.



51.9466, 0.2607, 0.3739



78.4296, 0.2544, 0.3855



42.2548, 0.2377, 0.2939



13.3489, 0.3019, 0.3355



29.5143, 0.2502, 0.4207



1.6633, 0.2449, 0.4017

Inverse Universe

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



24.0187, 0.4232, 0.2912



30.6850, 0.4623, 0.2862



28.5650, 0.4499, 0.3592



11.8613, 0.3248, 0.3226



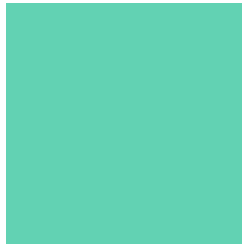
8.5597, 0.5826, 0.2983



0.4922, 0.5292, 0.2689

Previews

White Background



This preview shows how the Yxy color 51.9445, 0.2607, 0.3739 looks on a white background.

Color Contrast Check

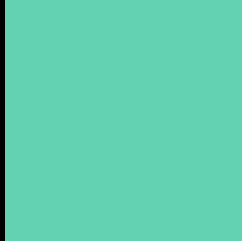
Large Text (above 18pt) WCAG AA × Fail

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 51.9445, 0.2607, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

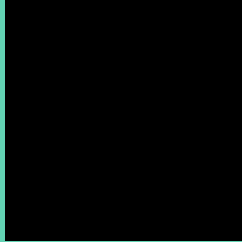
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

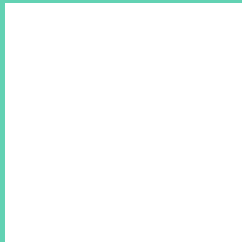
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.9445, 0.2607, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 51.9445, 0.2607, 0.3739.

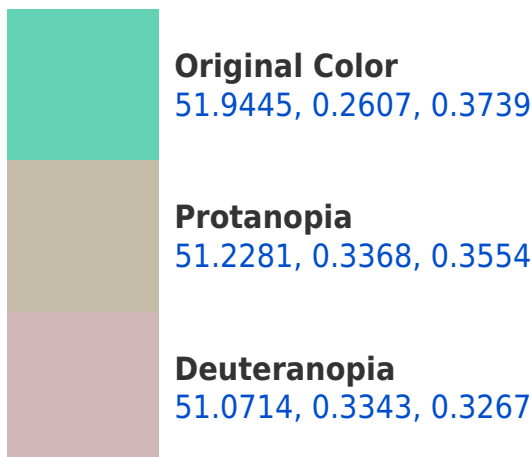


This preview shows how white text looks on a background with the Yxy color 51.9445, 0.2607, 0.3739.

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

51.7857, 0.2435, 0.3060

Trichromacy



Original Color

51.9445, 0.2607, 0.3739



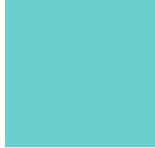
Protanomaly

50.5924, 0.3034, 0.3627



Deuteranomaly

49.9938, 0.3010, 0.3422



Tritanomaly

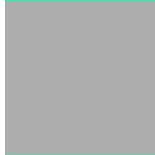
51.6630, 0.2492, 0.3288

Monochromacy



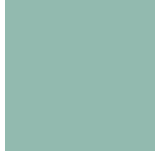
Original Color

51.9445, 0.2607, 0.3739



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.3239, 0.2888, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.9445, 0.2607, 0.3739 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(98, 210, 179)` looks like.

```
.text, #text, p{  
    color:rgb(98, 210, 179)  
}
```

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(98, 210, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 210, 179) }
```

Border

The CSS property to change the border of an element to Yxy 51.9445, 0.2607, 0.3739 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(98, 210, 179) }
```

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

```
.border{ border-color:rgb(98, 210, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 210, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 210, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 210, 179);  
box-shadow:4px 4px 4px 4px rgb(98, 210,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 51.9445, 0.2607, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 210, 179) }
```

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

```
.background{ background-color: rgb(98, 210,  
179) }
```

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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