

Converting Colors

$Yxy(51.3962, 0.2549, 0.3562)$

Have a look what the booklet for
Yxy(51.3962, 0.2549, 0.3562)
contains.

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Color

Yxy(51.3825, 0.2549, 0.3561)

Conversions

Conversions Part 1

Format	Color
Hex	62D0BD
RGB	98, 208, 189
RGB Percent	38%, 82%, 74%
CMY	0.6156, 0.1843, 0.2588
CMYK	0.53, 0.00, 0.09, 0.18
HSL	170°, 54%, 60%
HSV	170°, 53%, 82%
XYZ	36.7801, 51.3825, 56.1297
YIQ	172.9440, -59.4610, -29.2290

Conversions

Conversions Part 2

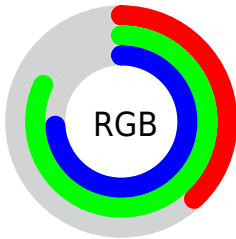
Format	Color
RYB	98, 158, 208
Decimal	6475965
CIELab	76.91, -36.12, -0.17
CIELCh	77, 36.117, 180.277
Yxy	51.3825, 0.2549, 0.3561
Android (android.graphics.Color)	4284666045 (0xFF62D0BD)
YUV	172.9440, 7.9156, -65.7259
Hunter-Lab	71.6816, -33.8537, 3.7505

Details

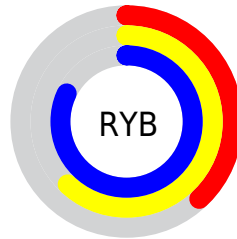
The Yxy color **51.3825, 0.2549, 0.3561** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.4330, 0.4385, 0.3059**, and the grayscale version is **41.7440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1805, 0.2633, 0.3401**, and **24.8361, 0.2392, 0.3629** is the 20% darker color. If you saturate the color by 10%, you get **50.2197, 0.2483, 0.3622**, and if you desaturate by 10%, it is **52.8538, 0.2632, 0.3503**.

Distribution



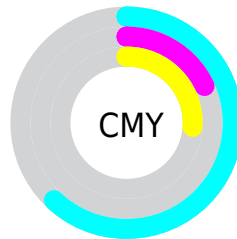
- Red (38%)
- Green (82%)
- Blue (74%)



- Red (38%)
- Yellow (62%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (9%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.3825, 0.2549, 0.3561 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 51.3825, 0.2549, 0.3561 by changing the saturation by 10% instead.

 51.3825, 0.2549,
0.3561

 51.3825, 0.2549,
0.3561


392.0481, 0.2831,
0.3429

 36.5131, 0.2481,
0.3593


 92.2199, 0.2650,
0.3514


 24.8307, 0.2394,
0.3633


 118.9567, 0.2688,
0.3496

 15.9510, 0.2282,
0.3686


 150.4182, 0.2721,
0.3481

 9.4895, 0.2129,
0.3757

 186.9886, 0.2749,
0.3467

 5.0618, 0.1911,
0.3858

229.0524, 0.2774,
0.3456

 2.2836, 0.1579,
0.4012

276.9940, 0.2795,

 0.7650, 0.0000,

0.3446

0.4751

331.1977, 0.2814,
0.3437

■ 0.0000, 0.0000,
0.0000

■ 51.3825, 0.2549,
0.3561

■ 51.3825, 0.2549,
0.3561

■ 50.2197, 0.2483,
0.3622

■ 52.8538, 0.2632,
0.3503

■ 49.3355, 0.2437,
0.3683

■ 54.6489, 0.2731,
0.3447

■ 48.7044, 0.2409,
0.3746

■ 56.7890, 0.2842,
0.3395

■ 48.2936, 0.2401,
0.3807

■ 59.2920, 0.2962,
0.3346

■ 48.0943, 0.2403,
0.3851

■ 62.1746, 0.3090,
0.3302

■ 65.4523, 0.3221,
0.3262

■ 69.1397, 0.3355,
0.3226

■ 71.4207, 0.3415,
0.3192

■ 71.6104, 0.3389,
0.3156

Harmonies

Analogous

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



51.3825, 0.2968, 0.3989



51.3825, 0.2549, 0.3561



51.3825, 0.2294, 0.3078

Triad

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



51.3825, 0.2549, 0.3561



51.3825, 0.2755, 0.2536



51.3825, 0.4090, 0.3773

Complementary

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



51.3825, 0.2549, 0.3561



23.4330, 0.4385, 0.3059

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.



51.3825, 0.4037, 0.3392



51.3825, 0.2549, 0.3561



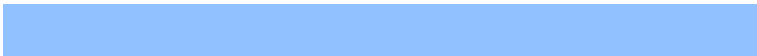
51.3825, 0.3231, 0.2711

Square

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



51.3825, 0.2549, 0.3561



51.3825, 0.2406, 0.2528



51.3825, 0.3713, 0.3015



51.3825, 0.3866, 0.4073

Rectangle

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



51.3825, 0.2549, 0.3561



51.3825, 0.2238, 0.2813



51.3825, 0.3713, 0.3015



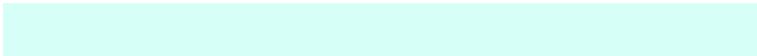
51.3825, 0.4105, 0.3650

Sweetspot

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



51.3845, 0.2549, 0.3561



92.6208, 0.2921, 0.3362



49.8586, 0.3175, 0.4907



19.6461, 0.2896, 0.3372



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.



51.3845, 0.2549, 0.3561



79.4789, 0.2479, 0.3627



37.1051, 0.2349, 0.2775



13.3706, 0.3006, 0.3330



29.9874, 0.2401, 0.3842



1.6862, 0.2369, 0.3729

Inverse Universe

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



23.4330, 0.4385, 0.3059



30.7351, 0.4815, 0.3033



31.0248, 0.4396, 0.3728



11.8411, 0.3264, 0.3250



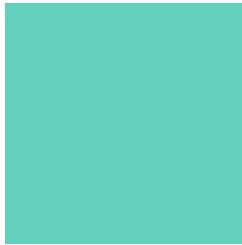
8.4468, 0.6130, 0.3150



0.4828, 0.5647, 0.2885

Previews

White Background



This preview shows how the Yxy color 51.3825, 0.2549, 0.3561 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 51.3825, 0.2549, 0.3561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

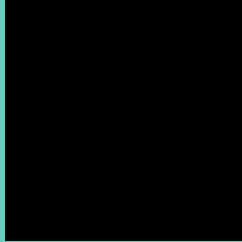
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

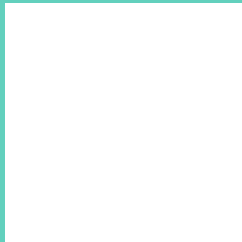
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.3825, 0.2549, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 51.3825, 0.2549, 0.3561.

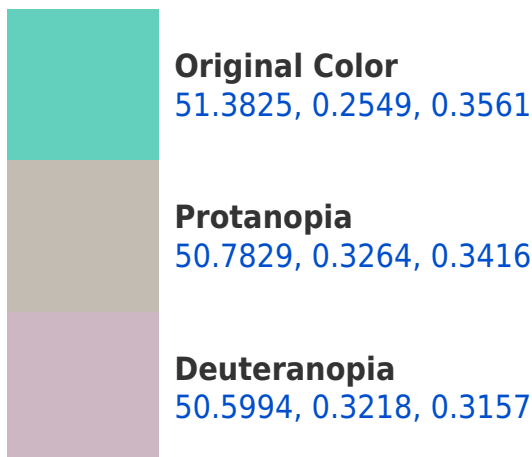


This preview shows how white text looks on a background with the Yxy color 51.3825, 0.2549, 0.3561.

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

51.0673, 0.2423, 0.3059

Trichromacy



Original Color

51.3825, 0.2549, 0.3561



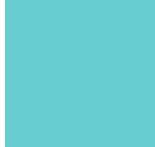
Protanomaly

49.8812, 0.2949, 0.3464



Deuteranomaly

49.5044, 0.2916, 0.3289



Tritanomaly

51.2091, 0.2465, 0.3233

Monochromacy



Original Color

51.3825, 0.2549, 0.3561



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

44.4835, 0.2860, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3825, 0.2549, 0.3561 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, 208, 189)` looks like.

```
.text, #text, p{  
    color:rgb(98, 208, 189)  
}
```

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, 208, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 208, 189) }
```

Border

The CSS property to change the border of an element to Yxy 51.3825, 0.2549, 0.3561 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, 208, 189) }
```

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

```
.border{ border-color:rgb(98, 208, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 208, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 208, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 208, 189);  
box-shadow:4px 4px 4px 4px rgb(98, 208,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 51.3825, 0.2549, 0.3561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 208, 189) }
```

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

```
.background{ background-color: rgb(98, 208,  
189) }
```

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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