

Converting Colors

$Y_{xy}(60.6070, 0.2545, 0.4030)$

Have a look what the booklet for
Yxy(60.6070, 0.2545, 0.4030)
contains.

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Color

Yxy(60.3029, 0.2545, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	40E5B1
RGB	64, 229, 177
RGB Percent	25%, 90%, 69%
CMY	0.7487, 0.1020, 0.3059
CMYK	0.72, 0.00, 0.23, 0.10
HSL	161°, 76%, 57%
HSV	161°, 72%, 90%
XYZ	38.0727, 60.3029, 51.2223
YIQ	173.7370, -81.6480, -51.1520

Conversions

Conversions Part 2

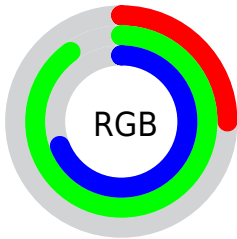
Format	Color
RYB	64, 162, 229
Decimal	4253105
CIELab	82.00, -53.85, 13.42
CIELCh	82, 55.495, 166.003
Yxy	60.3029, 0.2545, 0.4031
Android (android.graphics.Color)	4282443185 (0xFF40E5B1)
YUV	173.7370, 1.6087, -96.2393
Hunter-Lab	77.6549, -48.3812, 15.2499

Details

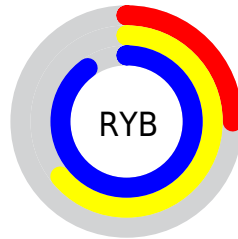
The Yxy color **60.3029, 0.2545, 0.4031** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **21.5981, 0.4804, 0.2781**, and the grayscale version is **42.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3897, 0.2588, 0.3546**, and **30.9603, 0.2505, 0.4217** is the 20% darker color. If you saturate the color by 10%, you get **59.4072, 0.2529, 0.4153**, and if you desaturate by 10%, it is **61.5337, 0.2582, 0.3910**.

Distribution



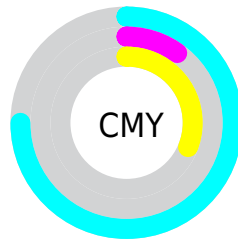
- Red (25%)
- Green (90%)
- Blue (69%)



- Red (25%)
- Yellow (64%)
- Blue (90%)



- Cyan (72%)
- Magenta (0%)
- Yellow (23%)
- Black (10%)





- Cyan (75%)
- Magenta (10%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.3029, 0.2545, 0.4031 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 60.3029, 0.2545, 0.4031 by changing the saturation by 10% instead.


 60.3029, 0.2545,
0.4031


 60.3029, 0.2545,
0.4031


425.7134, 0.2830,
0.3660

 43.6628, 0.2476,
0.4124


 105.2689, 0.2647,
0.3896


 30.4055, 0.2388,
0.4242


 134.3637, 0.2686,
0.3845

 20.1466, 0.2274,
0.4399


 168.3788, 0.2719,
0.3803

 12.5017, 0.2120,
0.4617

 207.6986, 0.2747,
0.3766

 7.0863, 0.1900,
0.4938

252.7076, 0.2772,
0.3734

 3.5161, 0.1567,
0.5450

303.7901, 0.2794,

 1.4068, 0.0000,

0.3706

0.7345

361.3306, 0.2813,
0.3682

■ 0.2217, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.3029, 0.2545,
0.4031

■ 60.3029, 0.2545,
0.4031

■ 59.4072, 0.2529,
0.4153

■ 61.5337, 0.2582,
0.3910


■ 58.7978, 0.2532,
0.4273

■ 63.1270, 0.2637,
0.3793


■ 58.4651, 0.2547,
0.4368


■ 65.1154, 0.2709,
0.3681

■ 67.5257, 0.2795,
0.3575

 70.3825, 0.2892,
0.3477

 73.7083, 0.2996,
0.3387

 77.5242, 0.3105,
0.3305

 81.8499, 0.3216,
0.3232

 83.7085, 0.3223,
0.3163

Harmonies

Analogous

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



60.3029, 0.3198, 0.4532



60.3029, 0.2545, 0.4031



60.3029, 0.2081, 0.3283

Triad

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



60.3029, 0.2545, 0.4031



60.3029, 0.2331, 0.2204



60.3029, 0.4541, 0.3676

Complementary

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



60.3029, 0.2545, 0.4031



21.5981, 0.4804, 0.2781

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.



60.3029, 0.4274, 0.3148



60.3029, 0.2545, 0.4031



60.3029, 0.2923, 0.2346

Square

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



60.3029, 0.2545, 0.4031



60.3029, 0.1979, 0.2294



60.3029, 0.3650, 0.2680



60.3029, 0.4371, 0.4187

Rectangle

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



60.3029, 0.2545, 0.4031



60.3029, 0.1923, 0.2835



60.3029, 0.3650, 0.2680



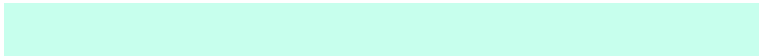
60.3029, 0.4501, 0.3498

Sweetspot

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



60.3053, 0.2545, 0.4031



89.7809, 0.2890, 0.3478



60.1439, 0.3263, 0.5423



18.9919, 0.2863, 0.3504



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.



60.3053, 0.2545, 0.4031



75.4280, 0.2528, 0.4207



47.4894, 0.2214, 0.2870



16.2550, 0.3023, 0.3365



33.4504, 0.2542, 0.4350



2.4885, 0.2493, 0.4175

Inverse Universe

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



21.5981, 0.4804, 0.2781



23.5207, 0.5321, 0.2818



25.0922, 0.5316, 0.3579



14.4425, 0.3243, 0.3216



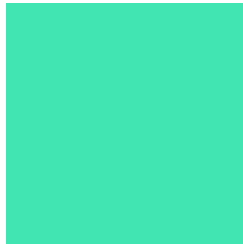
9.8126, 0.5701, 0.2914



0.7415, 0.5287, 0.2686

Previews

White Background



This preview shows how the Yxy color 60.3029, 0.2545, 0.4031 looks on a white background.

Color Contrast Check

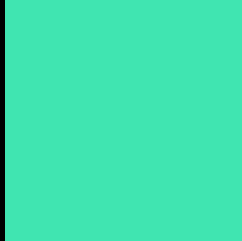
Large Text (above 18pt) WCAG AA × Fail

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 60.3029, 0.2545, 0.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

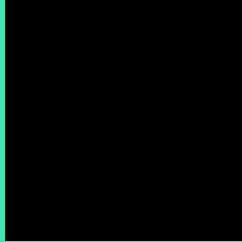
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

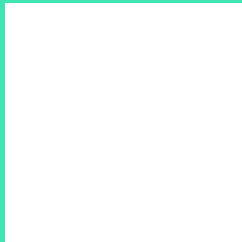
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 60.3029, 0.2545, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 60.3029, 0.2545, 0.4031.

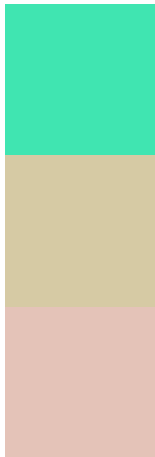


This preview shows how white text looks on a background with the Yxy color 60.3029, 0.2545, 0.4031.

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

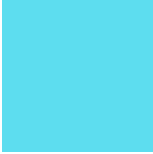
60.3029, 0.2545, 0.4031

Protanopia

59.2175, 0.3507, 0.3739

Deuteranopia

58.9849, 0.3483, 0.3415



Tritanopia

60.2721, 0.2331, 0.3058

Trichromacy



Original Color

60.3029, 0.2545, 0.4031



Protanomaly

57.3225, 0.3029, 0.3859



Deuteranomaly

56.2867, 0.3016, 0.3627



Tritanomaly

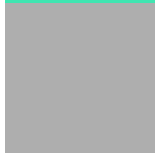
60.0630, 0.2404, 0.3395

Monochromacy



Original Color

60.3029, 0.2545, 0.4031



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.7471, 0.2809, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.3029, 0.2545, 0.4031 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(64, 229, 177)` looks like.

```
.text, #text, p{  
    color:rgb(64, 229, 177)  
}
```

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(64, 229, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 229, 177) }
```

Border

The CSS property to change the border of an element to Yxy 60.3029, 0.2545, 0.4031 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(64, 229, 177) }
```

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

```
.border{ border-color:rgb(64, 229, 177) }
```

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

Here you see how a box with a 4 pixel rgb(64, 229, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 229, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 229, 177);  
box-shadow:4px 4px 4px 4px rgb(64, 229,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 60.3029, 0.2545, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 229, 177) }
```

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

```
.background{ background-color: rgb(64, 229,  
177) }
```

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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