

Converting Colors

$Y_{xy}(65.2891, 0.2562, 0.4018)$

Have a look what the booklet for
Yxy(65.2891, 0.2562, 0.4018)
contains.

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Color

Yxy(65.4849, 0.2561, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	4AEDB8
RGB	74, 237, 184
RGB Percent	29%, 93%, 72%
CMY	0.7105, 0.0705, 0.2784
CMYK	0.69, 0.00, 0.22, 0.07
HSL	161°, 82%, 61%
HSV	161°, 69%, 93%
XYZ	41.7493, 65.4849, 55.7852
YIQ	182.2210, -80.1350, -51.0390

Conversions

Conversions Part 2

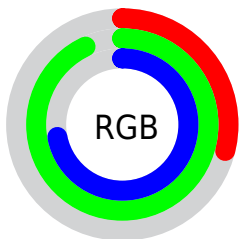
Format	Color
RYB	74, 171, 237
Decimal	4910520
CIELab	84.73, -54.12, 13.64
CIELCh	85, 55.808, 165.851
Yxy	65.4849, 0.2561, 0.4017
Android (android.graphics.Color)	4283100600 (0xFF4AEDB8)
YUV	182.2210, 0.8770, -94.9098
Hunter-Lab	80.9227, -49.5239, 15.7735

Details

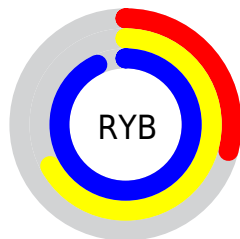
The Yxy color **65.4849, 0.2561, 0.4017** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **24.4095, 0.4672, 0.2769**, and the grayscale version is **46.9082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4740, 0.2590, 0.3461**, and **34.2812, 0.2499, 0.4195** is the 20% darker color. If you saturate the color by 10%, you get **64.4056, 0.2539, 0.4143**, and if you desaturate by 10%, it is **66.9408, 0.2603, 0.3893**.

Distribution



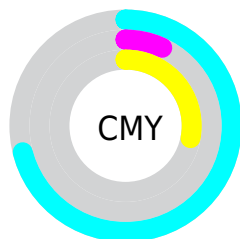
- Red (29%)
- Green (93%)
- Blue (72%)



- Red (29%)
- Yellow (67%)
- Blue (93%)



- Cyan (69%)
- Magenta (0%)
- Yellow (22%)
- Black (7%)





- Cyan (71%)
- Magenta (7%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4849, 0.2561, 0.4017 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 65.4849, 0.2561, 0.4017 by changing the saturation by 10% instead.


 65.4849, 0.2561,
0.4017

 65.4849, 0.2561,
0.4017


444.5324, 0.2834,
0.3658

 47.8544, 0.2496,
0.4105


 112.7467, 0.2658,
0.3888


 33.7116, 0.2414,
0.4217


 143.1468, 0.2695,
0.3839

 22.6721, 0.2308,
0.4364


 178.5722, 0.2727,
0.3797

 14.3516, 0.2166,
0.4565

 219.4072, 0.2754,
0.3762

 8.3656, 0.1967,
0.4855

266.0364, 0.2778,
0.3731

 4.3298, 0.1670,
0.5307

318.8441, 0.2799,

 1.8597, 0.0787,

0.3703

0.6388

378.2146, 0.2818,
0.3679

■ 0.5240, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.4849, 0.2561,
0.4017

■ 65.4849, 0.2561,
0.4017

■ 64.4056, 0.2539,
0.4143

■ 66.9408, 0.2603,
0.3893

■ 63.6527, 0.2538,
0.4268


■ 68.8014, 0.2663,
0.3773

■ 63.1652, 0.2555,
0.4391

■ 71.1010, 0.2739,
0.3659

■ 63.1166, 0.2557,
0.4405


■ 73.8681, 0.2828,
0.3551

 77.1285, 0.2926,
0.3453

 80.9063, 0.3031,
0.3362

 85.2240, 0.3140,
0.3281

 88.4673, 0.3194,
0.3207

 88.9490, 0.3146,
0.3133

Harmonies

Analogous

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



65.4849, 0.3202, 0.4504



65.4849, 0.2561, 0.4017



65.4849, 0.2104, 0.3288

Triad

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



65.4849, 0.2561, 0.4017



65.4849, 0.2344, 0.2224



65.4849, 0.4511, 0.3669

Complementary

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



65.4849, 0.2561, 0.4017



24.4095, 0.4672, 0.2769

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.



65.4849, 0.4247, 0.3150



65.4849, 0.2561, 0.4017



65.4849, 0.2925, 0.2362

Square

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



65.4849, 0.2561, 0.4017



65.4849, 0.1999, 0.2315



65.4849, 0.3636, 0.2690



65.4849, 0.4349, 0.4170

Rectangle

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



65.4849, 0.2561, 0.4017



65.4849, 0.1947, 0.2849



65.4849, 0.3636, 0.2690



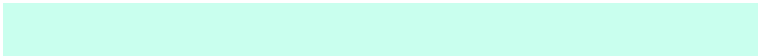
65.4849, 0.4471, 0.3494

Sweetspot

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



65.4875, 0.2561, 0.4017



90.1497, 0.2903, 0.3474



65.6764, 0.3286, 0.5334



19.0625, 0.2876, 0.3501



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.



65.4875, 0.2561, 0.4017



75.5966, 0.2536, 0.4199



53.5674, 0.2246, 0.2928



17.0338, 0.3024, 0.3368



34.4790, 0.2551, 0.4385



2.7250, 0.2504, 0.4214

Inverse Universe

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



24.4095, 0.4672, 0.2769



24.1856, 0.5185, 0.2784



27.8110, 0.5213, 0.3552



15.1347, 0.3242, 0.3214



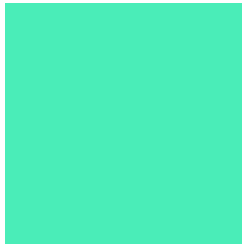
10.1437, 0.5669, 0.2896



0.8136, 0.5278, 0.2681

Previews

White Background



This preview shows how the Yxy color 65.4849, 0.2561, 0.4017 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 65.4849, 0.2561, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

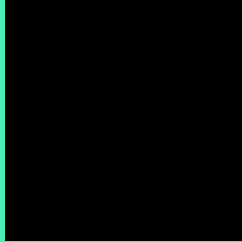
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

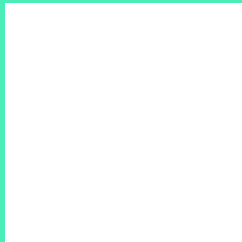
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.4849, 0.2561, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 65.4849, 0.2561, 0.4017.



This preview shows how white text looks on a background with the Yxy color 65.4849, 0.2561, 0.4017.

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

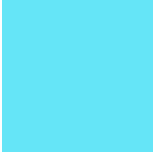
65.4849, 0.2561, 0.4017

Protanopia

64.0328, 0.3510, 0.3735

Deuteranopia

64.0514, 0.3480, 0.3400



Tritanopia

65.5207, 0.2348, 0.3066

Trichromacy



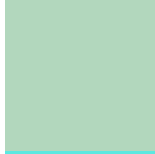
Original Color

65.4849, 0.2561, 0.4017



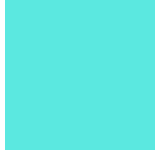
Protanomaly

62.0830, 0.3052, 0.3850



Deuteranomaly

61.7400, 0.3033, 0.3612



Tritanomaly

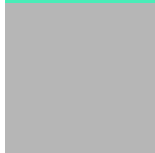
65.3192, 0.2421, 0.3391

Monochromacy



Original Color

65.4849, 0.2561, 0.4017



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

51.4996, 0.2826, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4849, 0.2561, 0.4017 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(74, 237, 184)` looks like.

```
.text, #text, p{  
    color:rgb(74, 237, 184)  
}
```

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(74, 237, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 237, 184) }
```

Border

The CSS property to change the border of an element to Yxy 65.4849, 0.2561, 0.4017 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(74, 237, 184) }
```

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

```
.border{ border-color:rgb(74, 237, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 237, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 237, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 237, 184);  
box-shadow:4px 4px 4px 4px rgb(74, 237,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4849, 0.2561, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 237, 184) }
```

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

```
.background{ background-color: rgb(74, 237,  
184) }
```

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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