

Converting Colors

$Y_{xy}(69.4926, 0.2355, 0.3530)$

Have a look what the booklet for
Yxy(69.4926, 0.2355, 0.3530)
contains.

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Color

Yxy(69.4849, 0.2357, 0.3534)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 31F2DF |
| RGB | 49, 242, 223 |
| RGB Percent | 19%, 95%, 87% |
| CMY | 0.8074, 0.0510, 0.1254 |
| CMYK | 0.80, 0.00, 0.08, 0.05 |
| HSL | 174°, 88%, 57% |
| HSV | 174°, 80%, 95% |
| XYZ | 46.3429, 69.4849, 80.7905 |
| YIQ | 182.1270, -108.9290, -46.8250 |

Conversions

Conversions Part 2

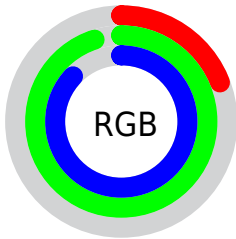
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 49, 150, 242 |
| Decimal | 3273439 |
| CIELab | 86.74, -49.32, -3.92 |
| CIELCh | 87, 49.479, 184.543 |
| Yxy | 69.4849, 0.2357, 0.3534 |
| Android (android.graphics.Color) | 4281463519 (0xFF31F2DF) |
| YUV | 182.1270, 20.1504, -116.7524 |
| Hunter-Lab | 83.3576, -46.6382, 0.8863 |

Details

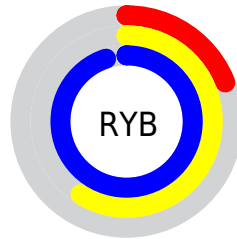
The Yxy color **69.4849, 0.2357, 0.3534** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **21.5016, 0.5713, 0.3169**, and the grayscale version is **46.8039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4071, 0.2478, 0.3288**, and **37.5251, 0.2327, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **68.9097, 0.2338, 0.3568**, and if you desaturate by 10%, it is **70.3899, 0.2395, 0.3500**.

Distribution



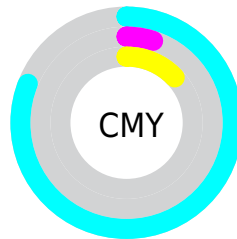
- Red (19%)
- Green (95%)
- Blue (87%)



- Red (19%)
- Yellow (59%)
- Blue (95%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (5%)





- Cyan (81%)
- Magenta (5%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.4849, 0.2357, 0.3534 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 69.4849, 0.2357, 0.3534 by changing the saturation by 10% instead.


 69.4849, 0.2357,
0.3534


 69.4849, 0.2357,
0.3534


458.7393, 0.2710,
0.3426

 51.1067, 0.2278,
0.3557


 118.4739, 0.2479,
0.3498


 36.2935, 0.2180,
0.3585

 149.8535, 0.2526,
0.3483

 24.6610, 0.2059,
0.3619


 186.3357, 0.2567,
0.3471

 15.8247, 0.1902,
0.3662

 228.3049, 0.2603,
0.3459

 9.4002, 0.1695,
0.3715

276.1454, 0.2635,
0.3450

 5.0031, 0.1411,
0.3780

330.2417, 0.2663,

 2.2491, 0.0961,

0.3441

0.3876

390.9783, 0.2688,
0.3433

0.7466, 0.0000,
0.4060

0.0000, 0.0000,
0.0000

69.4849, 0.2357,
0.3534

69.4849, 0.2357,
0.3534

68.9097, 0.2338,
0.3568

70.3899, 0.2395,
0.3500


68.5830, 0.2334,
0.3602

71.6620, 0.2452,
0.3466


68.5747, 0.2334,
0.3602


73.3420, 0.2529,
0.3432


75.4633, 0.2624,
0.3400

 78.0556, 0.2734,
0.3369

 81.1462, 0.2857,
0.3341

 84.7604, 0.2991,
0.3314

 88.9216, 0.3131,
0.3289

 91.3223, 0.3197,
0.3266

Harmonies

Analogous

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



69.4849, 0.2840, 0.4111



69.4849, 0.2357, 0.3534



69.4849, 0.2090, 0.2938

Triad

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



69.4849, 0.2357, 0.3534



69.4849, 0.2741, 0.2398



69.4849, 0.4292, 0.3922

Complementary

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



69.4849, 0.2357, 0.3534



21.5016, 0.5713, 0.3169

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.



69.4849, 0.4288, 0.3464



69.4849, 0.2357, 0.3534



69.4849, 0.3339, 0.2633

Square

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



69.4849, 0.2357, 0.3534



69.4849, 0.2296, 0.2352



69.4849, 0.3927, 0.3009



69.4849, 0.3964, 0.4284

Rectangle

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



69.4849, 0.2357, 0.3534



69.4849, 0.2050, 0.2638



69.4849, 0.3927, 0.3009



69.4849, 0.4331, 0.3774

Sweetspot

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



69.4875, 0.2357, 0.3534



89.8010, 0.2802, 0.3353



64.9694, 0.3064, 0.5733



18.9600, 0.2759, 0.3363



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.



69.4875, 0.2357, 0.3534



77.3501, 0.2334, 0.3590



33.9206, 0.2001, 0.2209



17.9006, 0.2994, 0.3313



36.8510, 0.2333, 0.3597



3.0734, 0.2320, 0.3552

Inverse Universe

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



21.5016, 0.5713, 0.3169



21.5986, 0.6239, 0.3236



34.0898, 0.5200, 0.3968



15.7841, 0.3278, 0.3267



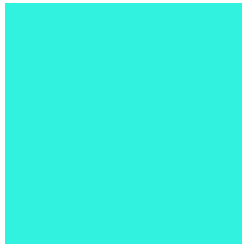
10.1849, 0.6287, 0.3237



0.8557, 0.6042, 0.3102

Previews

White Background



This preview shows how the Yxy color 69.4849, 0.2357, 0.3534 looks on a white background.

Color Contrast Check

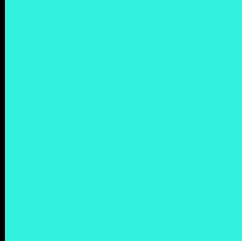
Large Text (above 18pt) WCAG AA × Fail

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 69.4849, 0.2357, 0.3534 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

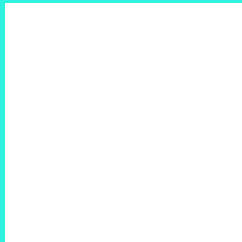
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.4849, 0.2357, 0.3534

Background



This preview shows how black text looks on a background with the Yxy color 69.4849, 0.2357, 0.3534.

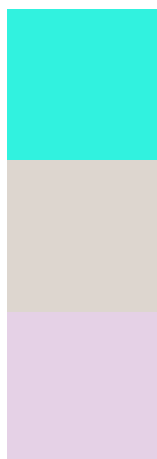


This preview shows how white text looks on a background with the Yxy color 69.4849, 0.2357, 0.3534.

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

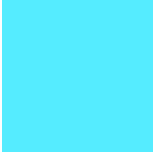
69.4849, 0.2357, 0.3534

Protanopia

67.9703, 0.3227, 0.3368

Deuteranopia

67.9721, 0.3130, 0.3066



Tritanopia

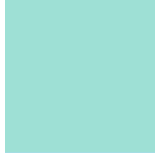
69.1422, 0.2290, 0.3057

Trichromacy



Original Color

69.4849, 0.2357, 0.3534



Protanomaly

65.3845, 0.2763, 0.3424



Deuteranomaly

65.1515, 0.2717, 0.3217



Tritanomaly

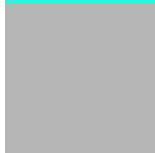
68.9979, 0.2310, 0.3225

Monochromacy



Original Color

69.4849, 0.2357, 0.3534



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

52.2853, 0.2686, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.4849, 0.2357, 0.3534 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(49, 242, 223)` looks like.

```
.text, #text, p{  
  color:rgb(49, 242, 223)  
}
```

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(49, 242, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 242, 223) }
```

Border

The CSS property to change the border of an element to Yxy 69.4849, 0.2357, 0.3534 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(49, 242, 223) }
```

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

```
.border{ border-color:rgb(49, 242, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 242, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 242, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 242, 223);  
box-shadow:4px 4px 4px 4px rgb(49, 242,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4849, 0.2357, 0.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 242, 223) }
```

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

```
.background{ background-color: rgb(49, 242,  
223) }
```

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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