

Converting Colors

$Y_{xy}(65.9767, 0.2386, 0.3471)$

Have a look what the booklet for
Yxy(65.9767, 0.2386, 0.3471)
contains.

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Color

Yxy(65.9767, 0.2386, 0.3471)

Conversions

Conversions Part 1

Format	Color
Hex	47EBDD
RGB	71, 235, 221
RGB Percent	28%, 92%, 87%
CMY	0.7219, 0.0784, 0.1333
CMYK	0.70, 0.00, 0.06, 0.08
HSL	175°, 80%, 60%
HSV	175°, 70%, 92%
XYZ	45.3530, 65.9767, 78.7501
YIQ	184.3680, -93.2500, -39.1220

Conversions

Conversions Part 2

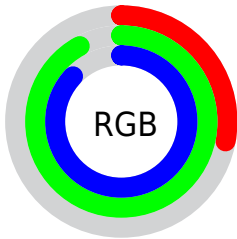
Format	Color
RYB	71, 157, 235
Decimal	4713437
CIELab	84.98, -44.56, -5.41
CIELCh	85, 44.892, 186.928
Yxy	65.9767, 0.2386, 0.3471
Android (android.graphics.Color)	4282903517 (0xFF47EBDD)
YUV	184.3680, 18.0596, -99.4237
Hunter-Lab	81.2260, -42.4790, -0.6245

Details

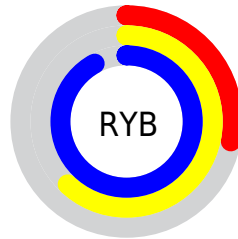
The Yxy color **65.9767, 0.2386, 0.3471** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **22.8150, 0.5303, 0.3172**, and the grayscale version is **48.0727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **34.5940, 0.2305, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **65.1507, 0.2347, 0.3500**, and if you desaturate by 10%, it is **67.1523, 0.2444, 0.3442**.

Distribution



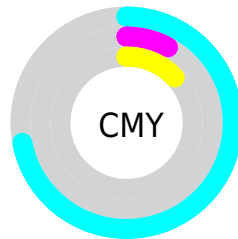
- Red (28%)
- Green (92%)
- Blue (87%)



- Red (28%)
- Yellow (62%)
- Blue (92%)



- Cyan (70%)
- Magenta (0%)
- Yellow (6%)
- Black (8%)




- Cyan (72%)
- Magenta (8%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9767, 0.2386, 0.3471 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 65.9767, 0.2386, 0.3471 by changing the saturation by 10% instead.

 65.9767, 0.2386,
0.3471

 65.9767, 0.2386,
0.3471


446.2935, 0.2729,
0.3392


 48.2535, 0.2308,
0.3487


 113.4529, 0.2505,
0.3445

 34.0277, 0.2213,
0.3507


 143.9747, 0.2551,
0.3434

 22.9149, 0.2093,
0.3530


 179.5314, 0.2591,
0.3425

 14.5307, 0.1937,
0.3558

 220.5075, 0.2625,
0.3417

 8.4907, 0.1730,
0.3592

267.2874, 0.2656,
0.3410

 4.4105, 0.1442,
0.3628

320.2554, 0.2683,

 1.9057, 0.0946,

0.3403

0.3689

379.7960, 0.2707,
0.3398

0.5518, 0.0000,
0.3604

0.0000, 0.0000,
0.0000

65.9767, 0.2386,
0.3471

65.9767, 0.2386,
0.3471

65.1507, 0.2347,
0.3500

67.1523, 0.2444,
0.3442

64.6244, 0.2327,
0.3529


68.7052, 0.2522,
0.3413

64.3302, 0.2322,
0.3558


70.6692, 0.2617,
0.3385


64.3256, 0.2322,
0.3559


73.0720, 0.2728,
0.3359

 75.9390, 0.2853,
0.3334

 79.2937, 0.2988,
0.3311

 83.1579, 0.3130,
0.3290

 86.7996, 0.3249,
0.3270

 86.9176, 0.3237,
0.3251

Harmonies

Analogous

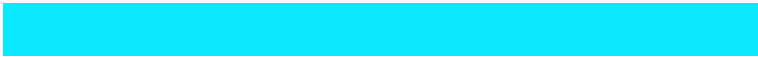
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.9767, 0.2824, 0.4007



65.9767, 0.2386, 0.3471



65.9767, 0.2152, 0.2931

Triad

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



65.9767, 0.2386, 0.3471



65.9767, 0.2812, 0.2470



65.9767, 0.4192, 0.3916

Complementary

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



65.9767, 0.2386, 0.3471



22.8150, 0.5303, 0.3172

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.



65.9767, 0.4211, 0.3493



65.9767, 0.2386, 0.3471



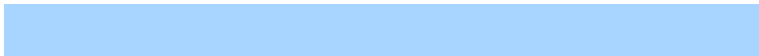
65.9767, 0.3371, 0.2702

Square

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



65.9767, 0.2386, 0.3471



65.9767, 0.2381, 0.2413



65.9767, 0.3901, 0.3064



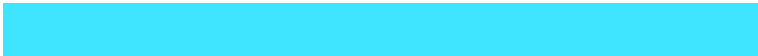
65.9767, 0.3873, 0.4230

Rectangle

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



65.9767, 0.2386, 0.3471



65.9767, 0.2126, 0.2662



65.9767, 0.3901, 0.3064



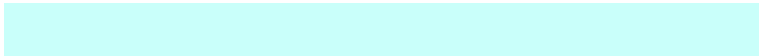
65.9767, 0.4235, 0.3781

Sweetspot

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



65.9792, 0.2386, 0.3471



90.9290, 0.2836, 0.3337



61.9182, 0.3086, 0.5490



19.2497, 0.2801, 0.3344



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.



65.9792, 0.2386, 0.3471



78.0849, 0.2336, 0.3514



35.8506, 0.2102, 0.2366



17.0984, 0.2993, 0.3310



35.8063, 0.2321, 0.3554



2.8182, 0.2309, 0.3514

Inverse Universe

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



22.8150, 0.5303, 0.3172



23.1488, 0.5920, 0.3201



35.8831, 0.4882, 0.3956



15.0749, 0.3279, 0.3270



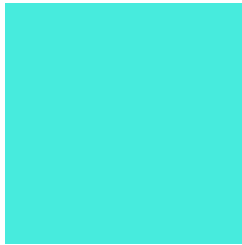
9.8656, 0.6305, 0.3247



0.7819, 0.6074, 0.3120

Previews

White Background



This preview shows how the Yxy color 65.9767, 0.2386, 0.3471 looks on a white background.

Color Contrast Check

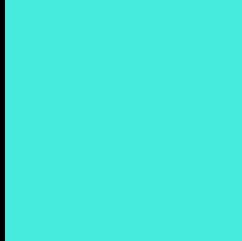
Large Text (above 18pt) WCAG AA × Fail

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 65.9767, 0.2386, 0.3471 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

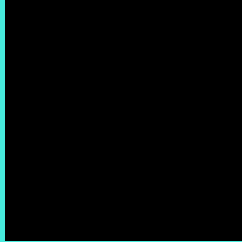
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

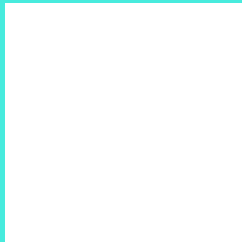
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9767, 0.2386, 0.3471

Background



This preview shows how black text looks on a background with the Yxy color 65.9767, 0.2386, 0.3471.

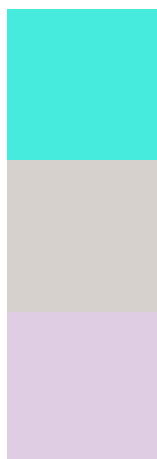


This preview shows how white text looks on a background with the Yxy color 65.9767, 0.2386, 0.3471.

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

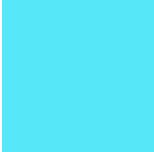
65.9767, 0.2386, 0.3471

Protanopia

64.5042, 0.3193, 0.3324

Deuteranopia

64.9521, 0.3101, 0.3040



Tritanopia

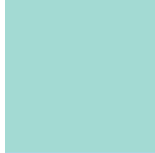
65.9698, 0.2300, 0.3065

Trichromacy



Original Color

65.9767, 0.2386, 0.3471



Protanomaly

62.6325, 0.2799, 0.3376



Deuteranomaly

62.8728, 0.2747, 0.3181



Tritanomaly

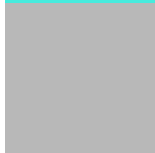
65.6946, 0.2329, 0.3199

Monochromacy



Original Color

65.9767, 0.2386, 0.3471



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

52.5827, 0.2740, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9767, 0.2386, 0.3471 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(71, 235, 221)` looks like.

```
.text, #text, p{  
    color:rgb(71, 235, 221)  
}
```

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(71, 235, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 235, 221) }
```

Border

The CSS property to change the border of an element to Yxy 65.9767, 0.2386, 0.3471 is called "border". The border property can be set on classes, ids or directly on the HTML element.

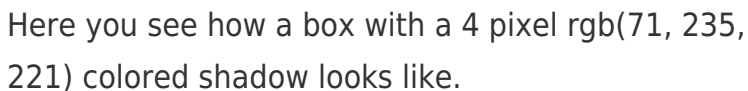
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(71, 235, 221) }
```

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

```
.border{ border-color:rgb(71, 235, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(71, 235, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 235, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 235, 221);  
box-shadow:4px 4px 4px 4px rgb(71, 235,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9767, 0.2386, 0.3471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 235, 221) }
```

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

```
.background{ background-color: rgb(71, 235,  
221) }
```

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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