

Converting Colors

$Yxy(70.3639, 0.2451, 0.3412)$

Have a look what the booklet for
Yxy(70.3639, 0.2451, 0.3412)
contains.

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Color

Yxy(70.1568, 0.2451, 0.3413)

Conversions

Conversions Part 1

Format	Color
Hex	65EFE5
RGB	101, 239, 229
RGB Percent	40%, 94%, 90%
CMY	0.6036, 0.0628, 0.1019
CMYK	0.58, 0.00, 0.04, 0.06
HSL	176°, 81%, 67%
HSV	176°, 58%, 94%
XYZ	50.3822, 70.1568, 85.0186
YIQ	196.5980, -79.0380, -32.3660

Conversions

Conversions Part 2

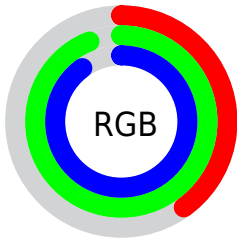
Format	Color
RYB	101, 173, 239
Decimal	6680549
CIELab	87.07, -39.63, -6.45
CIELCh	87, 40.152, 189.251
Yxy	70.1568, 0.2451, 0.3413
Android (android.graphics.Color)	4284870629 (0xFF65EFE5)
YUV	196.5980, 15.9742, -83.8394
Hunter-Lab	83.7597, -39.2101, -1.5494

Details

The Yxy color **70.1568, 0.2451, 0.3413** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **28.8205, 0.4776, 0.3192**, and the grayscale version is **55.5300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5265, 0.2619, 0.3289**, and **36.5830, 0.2292, 0.3422** is the 20% darker color. If you saturate the color by 10%, you get **68.8774, 0.2388, 0.3438**, and if you desaturate by 10%, it is **71.8437, 0.2533, 0.3389**.

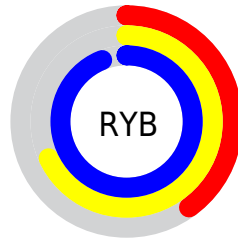
Distribution



Red (40%)

Green (94%)

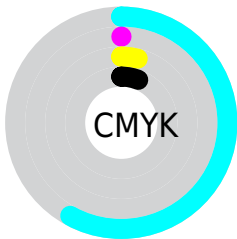
Blue (90%)



Red (40%)

Yellow (68%)

Blue (94%)

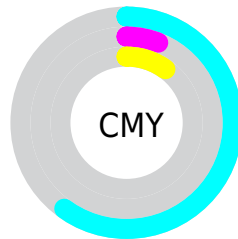


Cyan (58%)

Magenta (0%)

Yellow (4%)

Black (6%)



Cyan (60%)


Magenta (6%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.1568, 0.2451, 0.3413 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 70.1568, 0.2451, 0.3413 by changing the saturation by 10% instead.

 70.1568, 0.2451,
0.3413

 70.1568, 0.2451,
0.3413


461.1004, 0.2760,
0.3362

 51.6544, 0.2382,
0.3423


 119.4323, 0.2557,
0.3396

 36.7297, 0.2296,
0.3435


 150.9742, 0.2599,
0.3390

 24.9982, 0.2190,
0.3448


 187.6314, 0.2635,
0.3384

 16.0757, 0.2052,
0.3464

229.7883, 0.2667,
0.3378

 9.5778, 0.1870,
0.3481

277.8292, 0.2694,
0.3374

 5.1199, 0.1617,
0.3496

332.1386, 0.2719,

 2.3178, 0.1251,

0.3369

393.1009, 0.2741,
0.3365

0.3497

0.7831, 0.0000,
0.3679

0.0000, 0.0000,
0.0000

70.1568, 0.2451,
0.3413

70.1568, 0.2451,
0.3413

68.8774, 0.2388,
0.3438

71.8437, 0.2533,
0.3389

67.9614, 0.2344,
0.3462

73.9615, 0.2633,
0.3366


67.3695, 0.2319,
0.3487

76.5413, 0.2749,
0.3344

67.0448, 0.2311,
0.3511


79.6091, 0.2877,
0.3323


 66.9882, 0.2310,
0.3517

 83.1891, 0.3016,
0.3304

 87.3037, 0.3161,
0.3286

 89.3495, 0.3220,
0.3270

 89.4535, 0.3209,
0.3253

 89.5585, 0.3199,
0.3236

Harmonies

Analogous

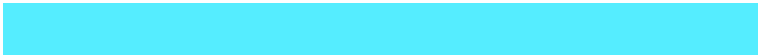
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.1568, 0.2830, 0.3880



70.1568, 0.2451, 0.3413



70.1568, 0.2255, 0.2950

Triad

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



70.1568, 0.2451, 0.3413



70.1568, 0.2888, 0.2571



70.1568, 0.4051, 0.3878

Complementary

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



70.1568, 0.2451, 0.3413



28.8205, 0.4776, 0.3192

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.



70.1568, 0.4086, 0.3509



70.1568, 0.2451, 0.3413



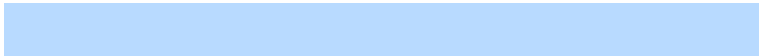
70.1568, 0.3383, 0.2790

Square

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



70.1568, 0.2451, 0.3413



70.1568, 0.2491, 0.2510



70.1568, 0.3835, 0.3122



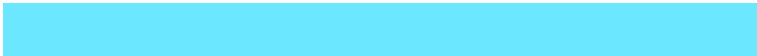
70.1568, 0.3758, 0.4132

Rectangle

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



70.1568, 0.2451, 0.3413



70.1568, 0.2242, 0.2718



70.1568, 0.3835, 0.3122



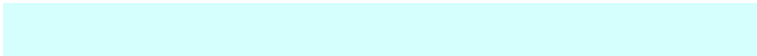
70.1568, 0.4095, 0.3762

Sweetspot

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



70.1595, 0.2451, 0.3413



92.4845, 0.2886, 0.3322



66.1541, 0.3096, 0.5123



19.6304, 0.2859, 0.3326



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.



70.1595, 0.2451, 0.3413



79.6106, 0.2380, 0.3441



42.2655, 0.2241, 0.2520



17.9080, 0.2991, 0.3307



37.0287, 0.2309, 0.3513



3.0863, 0.2300, 0.3481

Inverse Universe

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



28.8205, 0.4776, 0.3192



27.6283, 0.5309, 0.3191



43.9297, 0.4474, 0.3910



15.7774, 0.3282, 0.3273



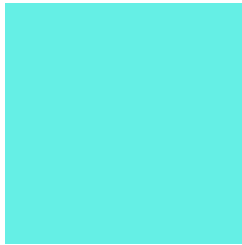
10.1708, 0.6323, 0.3257



0.8525, 0.6132, 0.3152

Previews

White Background



This preview shows how the Yxy color 70.1568, 0.2451, 0.3413 looks on a white background.

Color Contrast Check

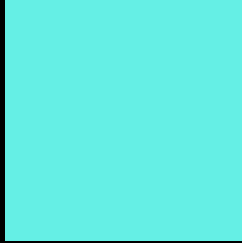
Large Text (above 18pt) WCAG AA × Fail

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 70.1568, 0.2451, 0.3413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

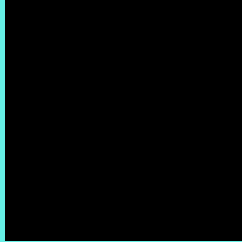
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.1568, 0.2451, 0.3413

Background



This preview shows how black text looks on a background with the Yxy color 70.1568, 0.2451, 0.3413.



This preview shows how white text looks on a background with the Yxy color 70.1568, 0.2451, 0.3413.

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

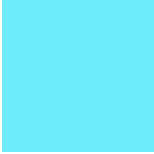
70.1568, 0.2451, 0.3413

Protanopia

68.7228, 0.3164, 0.3290

Deuteranopia

68.7494, 0.3096, 0.3025



Tritanopia

69.9519, 0.2370, 0.3061

Trichromacy



Original Color

70.1568, 0.2451, 0.3413



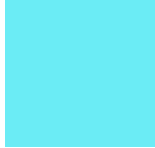
Protanomaly

67.8257, 0.2839, 0.3336



Deuteranomaly

67.5412, 0.2792, 0.3151



Tritanomaly

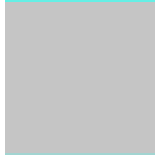
69.7093, 0.2396, 0.3178

Monochromacy



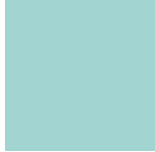
Original Color

70.1568, 0.2451, 0.3413



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

59.3718, 0.2799, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.1568, 0.2451, 0.3413 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(101, 239, 229)` looks like.

```
.text, #text, p{  
    color:rgb(101, 239, 229)  
}
```

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(101, 239, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 239, 229) }
```

Border

The CSS property to change the border of an element to Yxy 70.1568, 0.2451, 0.3413 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(101, 239, 229) }
```

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

```
.border{ border-color:rgb(101, 239, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 239, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 239, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 239, 229);  
box-shadow:4px 4px 4px 4px rgb(101, 239,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 70.1568, 0.2451, 0.3413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 239, 229) }
```

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

```
.background{ background-color: rgb(101,  
239, 229) }
```

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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