

Converting Colors

$Y_{xy}(85.5638, 0.2476, 0.3515)$

Have a look what the booklet for
Yxy(85.5638, 0.2476, 0.3515)
contains.

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Color

Yxy(81.1190, 0.2460, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	6CFFF2
RGB	108, 255, 242
RGB Percent	42%, 100%, 95%
CMY	0.5761, 0.0000, 0.0511
CMYK	0.58, 0.00, 0.05, 0.00
HSL	175°, 100%, 71%
HSV	175°, 58%, 100%
XYZ	57.9758, 81.1190, 96.5792
YIQ	209.5650, -83.4390, -35.2070

Conversions

Conversions Part 2

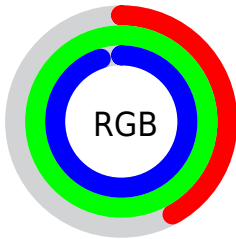
Format	Color
RYB	108, 185, 255
Decimal	7143410
CIELab	92.18, -42.27, -5.64
CIELCh	92, 42.648, 187.597
Yxy	81.1190, 0.2460, 0.3442
Android (android.graphics.Color)	4285333490 (0xFF6CFFF2)
YUV	209.5650, 15.9905, -89.0725
Hunter-Lab	90.0661, -42.7147, -0.5313

Details

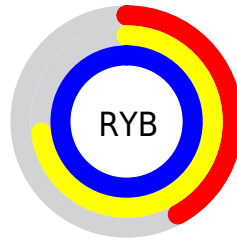
The Yxy color **81.1190, 0.2460, 0.3442** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.3899, 0.4751, 0.3168**, and the grayscale version is **64.1003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3979, 0.2657, 0.3289**, and **44.1155, 0.2317, 0.3475** is the 20% darker color. If you saturate the color by 10%, you get **79.6135, 0.2398, 0.3473**, and if you desaturate by 10%, it is **83.1000, 0.2541, 0.3412**.

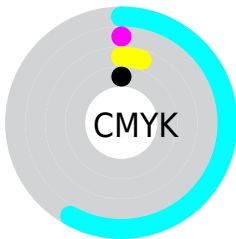
Distribution



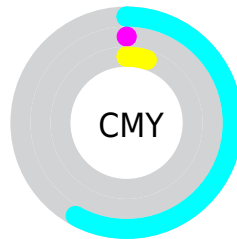
- Red (42%)
- Green (100%)
- Blue (95%)



- Red (42%)
- Yellow (73%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.1190, 0.2460, 0.3442 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 81.1190, 0.2460, 0.3442 by changing the saturation by 10% instead.


 81.1190, 0.2460,
0.3442


 81.1190, 0.2460,
0.3442


498.6960, 0.2758,
0.3379

 60.6396, 0.2395,
0.3455

 134.9378, 0.2561,
0.3421

 43.9344, 0.2316,
0.3470


 169.0461, 0.2601,
0.3413

 30.6189, 0.2218,
0.3488


 208.4661, 0.2636,
0.3405

 20.3088, 0.2093,
0.3509

253.5822, 0.2666,
0.3399

 12.6197, 0.1931,
0.3535

304.7789, 0.2693,
0.3393

 7.1672, 0.1711,
0.3564

362.4405, 0.2717,

 3.5669, 0.1402,

0.3388

426.9514, 0.2738,
0.3383

0.3593

1.4344, 0.0649,
0.3720

0.2419, 0.0000,
0.2689

81.1190, 0.2460,
0.3442

81.1190, 0.2460,
0.3442

79.6135, 0.2398,
0.3473

83.1000, 0.2541,
0.3412

78.5320, 0.2355,
0.3503

85.5841, 0.2640,
0.3383


77.8282, 0.2332,
0.3534

88.6077, 0.2755,
0.3356

77.4367, 0.2326,
0.3564

92.2012, 0.2882,
0.3330

 77.3665, 0.2325,
0.3571

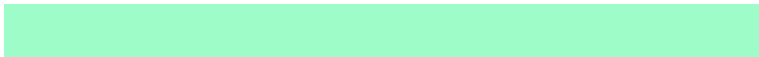
 96.3929, 0.3018,
0.3307

99.9988, 0.3127,
0.3290

Harmonies

Analogous

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



81.1190, 0.2851, 0.3910



81.1190, 0.2460, 0.3442



81.1190, 0.2251, 0.2968

Triad

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



81.1190, 0.2460, 0.3442



81.1190, 0.2859, 0.2556



81.1190, 0.4071, 0.3865

Complementary

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



81.1190, 0.2460, 0.3442



33.3899, 0.4751, 0.3168

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.



81.1190, 0.4091, 0.3489



81.1190, 0.2460, 0.3442



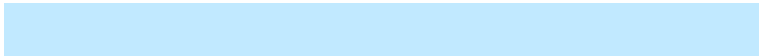
81.1190, 0.3357, 0.2769

Square

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



81.1190, 0.2460, 0.3442



81.1190, 0.2467, 0.2503



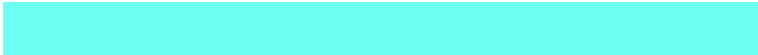
81.1190, 0.3822, 0.3100



81.1190, 0.3787, 0.4132

Rectangle

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



81.1190, 0.2460, 0.3442



81.1190, 0.2230, 0.2727



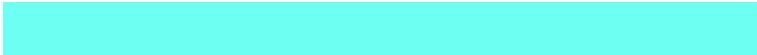
81.1190, 0.3822, 0.3100



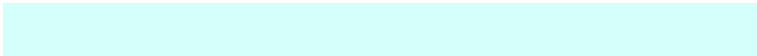
81.1190, 0.4110, 0.3746

Sweetspot

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



81.1221, 0.2460, 0.3442



92.4399, 0.2890, 0.3329



76.7992, 0.3108, 0.5120



19.6198, 0.2863, 0.3334



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.



81.1221, 0.2460, 0.3442



79.4396, 0.2391, 0.3477



50.0023, 0.2247, 0.2551



20.4520, 0.2992, 0.3311



40.4379, 0.2324, 0.3566



3.9451, 0.2314, 0.3531

Inverse Universe

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



33.3899, 0.4751, 0.3168



27.6792, 0.5272, 0.3166



49.9307, 0.4494, 0.3886



18.0132, 0.3280, 0.3269



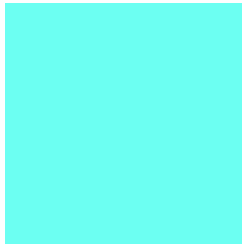
11.1492, 0.6305, 0.3247



1.0940, 0.6110, 0.3140

Previews

White Background



This preview shows how the Yxy color 81.1190, 0.2460, 0.3442 looks on a white background.

Color Contrast Check

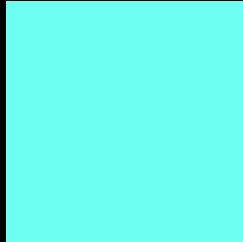
Large Text (above 18pt) WCAG AA × Fail

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 81.1190, 0.2460, 0.3442 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 81.1190, 0.2460, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 81.1190, 0.2460, 0.3442.

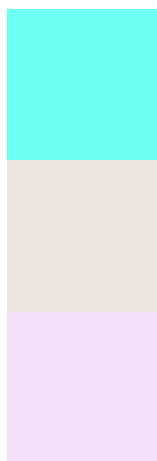


This preview shows how white text looks on a background with the Yxy color 81.1190, 0.2460, 0.3442.

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

81.1190, 0.2460, 0.3442

Protanopia

79.9725, 0.3188, 0.3321

Deuteranopia

79.5633, 0.3111, 0.3041



Tritanopia

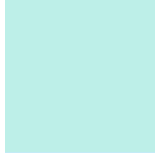
80.6683, 0.2671, 0.3157

Trichromacy



Original Color

81.1190, 0.2460, 0.3442



Protanomaly

78.3780, 0.2853, 0.3367



Deuteranomaly

77.6726, 0.2809, 0.3169



Tritanomaly

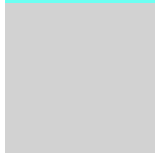
80.0991, 0.2579, 0.3254

Monochromacy



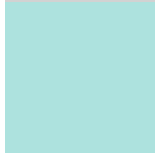
Original Color

81.1190, 0.2460, 0.3442



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.5509, 0.2804, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.1190, 0.2460, 0.3442 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(108, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(108, 255, 242)  
}
```

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(108, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 81.1190, 0.2460, 0.3442 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(108, 255, 242) }
```

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

```
.border{ border-color:rgb(108, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(108, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1190, 0.2460, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 255, 242) }
```

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

```
.background{ background-color: rgb(108,  
255, 242) }
```

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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