

Converting Colors

$Yxy(79.8905, 0.2488, 0.3601)$

Have a look what the booklet for
Yxy(79.8905, 0.2488, 0.3601)
contains.

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Color

Yxy(79.8865, 0.2488, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	64FFE5
RGB	100, 255, 229
RGB Percent	39%, 100%, 90%
CMY	0.6081, 0.0000, 0.1020
CMYK	0.61, 0.00, 0.10, 0.00
HSL	170°, 100%, 70%
HSV	170°, 61%, 100%
XYZ	55.1492, 79.8865, 86.6250
YIQ	205.6910, -84.0340, -40.9460

Conversions

Conversions Part 2

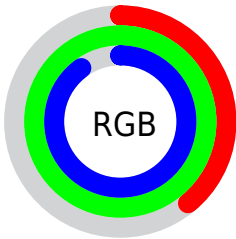
Format	Color
RYB	100, 185, 255
Decimal	6619109
CIELab	91.63, -46.91, 0.25
CIELCh	92, 46.907, 179.689
Yxy	79.8865, 0.2488, 0.3604
Android (android.graphics.Color)	4284809189 (0xFF64FFE5)
YUV	205.6910, 11.4913, -92.6910
Hunter-Lab	89.3792, -46.2748, 5.1025

Details

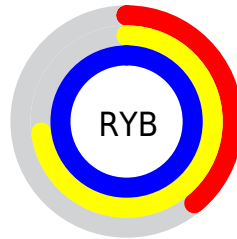
The Yxy color **79.8865, 0.2488, 0.3604** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **31.8649, 0.4734, 0.3044**, and the grayscale version is **61.4619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6325, 0.2624, 0.3289**, and **42.9885, 0.2350, 0.3659** is the 20% darker color. If you saturate the color by 10%, you get **78.4127, 0.2438, 0.3664**, and if you desaturate by 10%, it is **81.8100, 0.2557, 0.3545**.

Distribution



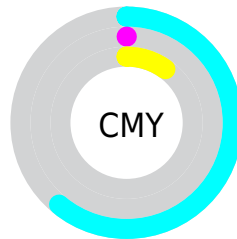
- Red (39%)
- Green (100%)
- Blue (90%)



- Red (39%)
- Yellow (73%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (61%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8865, 0.2488, 0.3604 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 79.8865, 0.2488, 0.3604 by changing the saturation by 10% instead.


 79.8865, 0.2488,
0.3604


 79.8865, 0.2488,
0.3604


494.5503, 0.2777,
0.3462


 59.6250, 0.2424,
0.3636


 133.2061, 0.2587,
0.3555

 43.1164, 0.2346,
0.3674


 167.0330, 0.2625,
0.3536

 29.9765, 0.2249,
0.3722


 206.1505, 0.2659,
0.3520

 19.8207, 0.2124,
0.3783

250.9429, 0.2688,
0.3505

 12.2648, 0.1960,
0.3864

301.7947, 0.2714,
0.3493

 6.9243, 0.1736,
0.3976


359.0903, 0.2737,


 3.4148, 0.1412,


0.3481

0.4137


423.2140, 0.2758,
0.3471


 1.3519, 0.0275,
0.4695


 0.1809, 0.0000,
0.5024


 79.8865, 0.2488,
0.3604

 79.8865, 0.2488,
0.3604


 78.4127, 0.2438,
0.3664


 81.8100, 0.2557,
0.3545

 77.3608, 0.2408,
0.3725


 84.2380, 0.2644,
0.3488

 76.6725, 0.2397,
0.3786

 87.1994, 0.2747,
0.3433

 76.2842, 0.2400,
0.3841

 90.7257, 0.2861,
0.3383

 94.8456, 0.2986,
0.3336

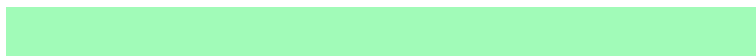
99.5862, 0.3116,
0.3293

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



79.8865, 0.2955, 0.4089



79.8865, 0.2488, 0.3604



79.8865, 0.2204, 0.3056

Triad

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



79.8865, 0.2488, 0.3604



79.8865, 0.2700, 0.2454



79.8865, 0.4206, 0.3811

Complementary

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



79.8865, 0.2488, 0.3604



31.8649, 0.4734, 0.3044

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.



79.8865, 0.4144, 0.3387



79.8865, 0.2488, 0.3604



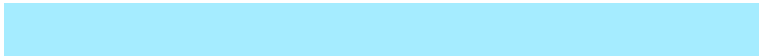
79.8865, 0.3230, 0.2644

Square

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



79.8865, 0.2488, 0.3604



79.8865, 0.2320, 0.2445



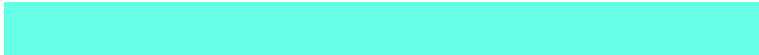
79.8865, 0.3774, 0.2974



79.8865, 0.3956, 0.4156

Rectangle

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



79.8865, 0.2488, 0.3604



79.8865, 0.2141, 0.2760



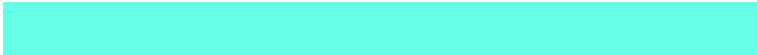
79.8865, 0.3774, 0.2974



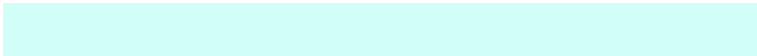
79.8865, 0.4222, 0.3673

Sweetspot

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



79.8810, 0.2488, 0.3604



91.8237, 0.2896, 0.3369



77.0555, 0.3166, 0.5189



19.4112, 0.2860, 0.3383



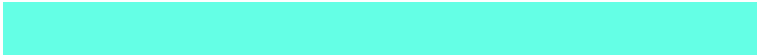
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.8810, 0.2488, 0.3604



78.1488, 0.2430, 0.3678



54.0161, 0.2245, 0.2674



20.4260, 0.3002, 0.3330



39.8795, 0.2398, 0.3831



3.8962, 0.2378, 0.3762

Inverse Universe

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



31.8649, 0.4734, 0.3044



26.4196, 0.5257, 0.3042



43.6837, 0.4697, 0.3779



18.0368, 0.3268, 0.3250



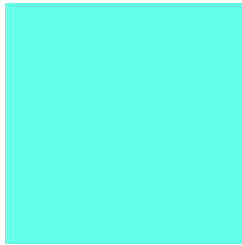
11.2136, 0.6159, 0.3167



1.1051, 0.5878, 0.3012

Previews

White Background



This preview shows how the Yxy color 79.8865, 0.2488, 0.3604 looks on a white background.

Color Contrast Check

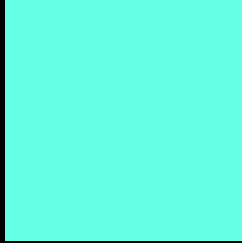
Large Text (above 18pt) WCAG AA × Fail

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 79.8865, 0.2488, 0.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

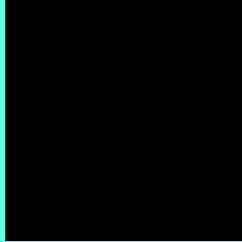
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.8865, 0.2488, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 79.8865, 0.2488, 0.3604.



This preview shows how white text looks on a background with the Yxy color 79.8865, 0.2488, 0.3604.

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

79.8865, 0.2488, 0.3604

Protanopia

78.3464, 0.3282, 0.3437

Deuteranopia

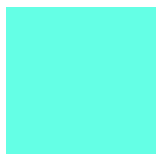
78.2551, 0.3219, 0.3149



Tritanopia

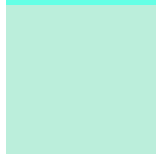
79.2703, 0.2633, 0.3145

Trichromacy



Original Color

79.8865, 0.2488, 0.3604



Protanomaly

76.8283, 0.2914, 0.3506



Deuteranomaly

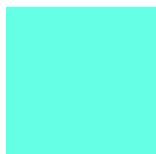
76.1982, 0.2875, 0.3300



Tritanomaly

79.1951, 0.2566, 0.3300

Monochromacy



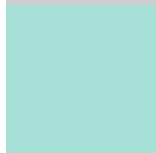
Original Color

79.8865, 0.2488, 0.3604



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.3818, 0.2812, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8865, 0.2488, 0.3604 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(100, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 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(100, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 79.8865, 0.2488, 0.3604 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(100, 255, 229) }
```

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

```
.border{ border-color:rgb(100, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8865, 0.2488, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 229) }
```

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

```
.background{ background-color: rgb(100,  
255, 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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