

Converting Colors

$Yxy(79.8449, 0.2522, 0.3666)$

Have a look what the booklet for
Yxy(79.8449, 0.2522, 0.3666)
contains.

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Color

Yxy(79.8449, 0.2522, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	68FFE0
RGB	104, 255, 224
RGB Percent	41%, 100%, 88%
CMY	0.5918, 0.0000, 0.1216
CMYK	0.59, 0.00, 0.12, 0.00
HSL	168°, 100%, 70%
HSV	168°, 59%, 100%
XYZ	54.9288, 79.8449, 83.0248
YIQ	206.3170, -80.0450, -41.6530

Conversions

Conversions Part 2

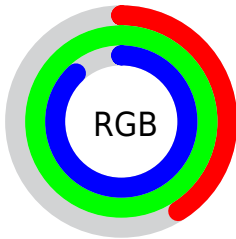
Format	Color
RYB	104, 188, 255
Decimal	6881248
CIELab	91.62, -47.38, 2.83
CIELCh	92, 47.466, 176.586
Yxy	79.8449, 0.2522, 0.3666
Android (android.graphics.Color)	4285071328 (0xFF68FFE0)
YUV	206.3170, 8.7177, -89.7320
Hunter-Lab	89.3560, -46.6457, 7.4601

Details

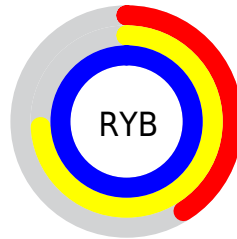
The Yxy color **79.8449, 0.2522, 0.3666** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.9305, 0.4591, 0.2989**, and the grayscale version is **61.9322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9555, 0.2638, 0.3289**, and **42.8826, 0.2383, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **78.2643, 0.2472, 0.3741**, and if you desaturate by 10%, it is **81.9018, 0.2591, 0.3593**.

Distribution



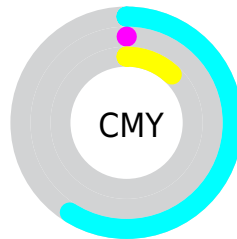
- Red (41%)
- Green (100%)
- Blue (88%)



- Red (41%)
- Yellow (74%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.8449, 0.2522, 0.3666 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 79.8449, 0.2522, 0.3666 by changing the saturation by 10% instead.


 79.8449, 0.2522,
0.3666

 79.8449, 0.2522,
0.3666


494.4100, 0.2797,
0.3493

 59.5907, 0.2461,
0.3705

 133.1476, 0.2616,
0.3606

 43.0888, 0.2386,
0.3753


 166.9650, 0.2653,
0.3583

 29.9548, 0.2292,
0.3813


 206.0722, 0.2685,
0.3563

 19.8043, 0.2172,
0.3891

250.8537, 0.2713,
0.3546

 12.2529, 0.2013,
0.3997

301.6938, 0.2738,
0.3530

 6.9161, 0.1792,
0.4145


358.9770, 0.2759,


 3.4097, 0.1472,


0.3517


0.4368


423.0876, 0.2779,
0.3504


 1.3492, 0.0248,
0.5116


 0.1788, 0.0000,
1.0000


 79.8449, 0.2522,
0.3666


 79.8449, 0.2522,
0.3666


 78.2643, 0.2472,
0.3741


 81.9018, 0.2591,
0.3593


 77.1076, 0.2441,
0.3818


 84.4633, 0.2678,
0.3522


 76.3268, 0.2430,
0.3893

 87.5666, 0.2779,
0.3456

 75.8450, 0.2437,
0.3969

 91.2425, 0.2891,
0.3394

 75.8110, 0.2437,
0.3975

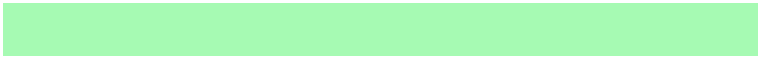
 95.5196, 0.3012,
0.3338

99.9987, 0.3127,
0.3290

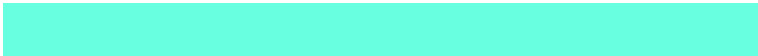
Harmonies

Analogous

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



79.8449, 0.3008, 0.4136



79.8449, 0.2522, 0.3666



79.8449, 0.2213, 0.3106

Triad

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



79.8449, 0.2522, 0.3666



79.8449, 0.2647, 0.2435



79.8449, 0.4228, 0.3774

Complementary

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



79.8449, 0.2522, 0.3666



32.9305, 0.4591, 0.2989

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.



79.8449, 0.4131, 0.3342



79.8449, 0.2522, 0.3666



79.8449, 0.3172, 0.2609

Square

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



79.8449, 0.2522, 0.3666



79.8449, 0.2283, 0.2447



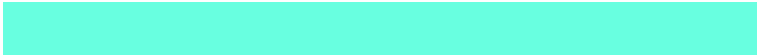
79.8449, 0.3730, 0.2931



79.8449, 0.4004, 0.4136

Rectangle

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



79.8449, 0.2522, 0.3666



79.8449, 0.2134, 0.2794



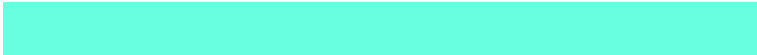
79.8449, 0.3730, 0.2931



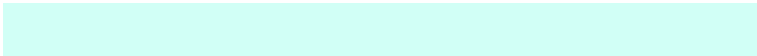
79.8449, 0.4233, 0.3632

Sweetspot

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



79.8480, 0.2522, 0.3666



91.7172, 0.2905, 0.3387



77.8203, 0.3195, 0.5122



19.3849, 0.2871, 0.3405



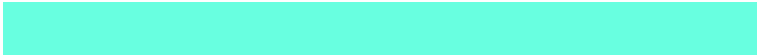
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.8480, 0.2522, 0.3666



78.0249, 0.2465, 0.3755



57.3756, 0.2278, 0.2759



20.4137, 0.3007, 0.3339



39.6359, 0.2434, 0.3962



3.8746, 0.2410, 0.3876

Inverse Universe

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



32.9305, 0.4591, 0.2989



27.3021, 0.5074, 0.2975



43.0808, 0.4676, 0.3720



18.0481, 0.3262, 0.3241



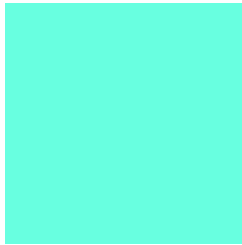
11.2573, 0.6065, 0.3115



1.1109, 0.5765, 0.2949

Previews

White Background



This preview shows how the Yxy color 79.8449, 0.2522, 0.3666 looks on a white background.

Color Contrast Check

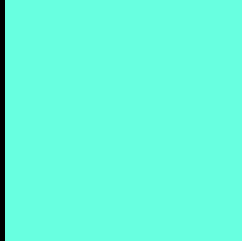
Large Text (above 18pt) WCAG AA × Fail

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 79.8449, 0.2522, 0.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

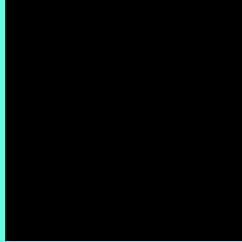
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

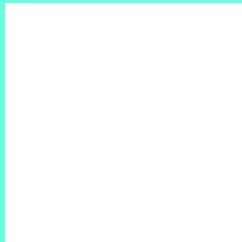
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.8449, 0.2522, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 79.8449, 0.2522, 0.3666.

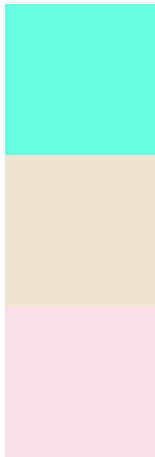


This preview shows how white text looks on a background with the Yxy color 79.8449, 0.2522, 0.3666.

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

79.8449, 0.2522, 0.3666

Protanopia

78.2674, 0.3322, 0.3490

Deuteranopia

78.3361, 0.3267, 0.3200



Tritanopia

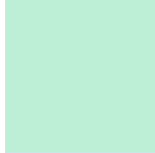
79.3822, 0.2639, 0.3145

Trichromacy



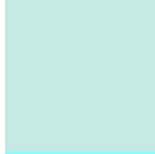
Original Color

79.8449, 0.2522, 0.3666



Protanomaly

76.8229, 0.2954, 0.3563



Deuteranomaly

76.3174, 0.2922, 0.3356



Tritanomaly

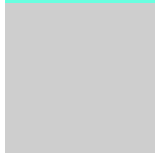
79.2562, 0.2584, 0.3323

Monochromacy



Original Color

79.8449, 0.2522, 0.3666



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.5504, 0.2830, 0.3422

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.8449, 0.2522, 0.3666 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(104, 255, 224)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 224)  
}
```

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(104, 255, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 224) }
```

Border

The CSS property to change the border of an element to Yxy 79.8449, 0.2522, 0.3666 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(104, 255, 224) }
```

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

```
.border{ border-color:rgb(104, 255, 224) }
```

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

Here you see how a box with a 4 pixel rgb(104, 255, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 224);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 79.8449, 0.2522, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 224) }
```

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

```
.background{ background-color: rgb(104,  
255, 224) }
```

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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