

Converting Colors

$Y_{xy}(79.4909, 0.2534, 0.3723)$

Have a look what the booklet for
Yxy(79.4909, 0.2534, 0.3723)
contains.

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Color

Yxy(79.5121, 0.2532, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	66FFDC
RGB	102, 255, 220
RGB Percent	40%, 100%, 86%
CMY	0.6004, 0.0000, 0.1373
CMYK	0.60, 0.00, 0.14, 0.00
HSL	166°, 100%, 70%
HSV	166°, 60%, 100%
XYZ	54.1486, 79.5121, 80.1964
YIQ	205.2630, -79.9530, -43.3210

Conversions

Conversions Part 2

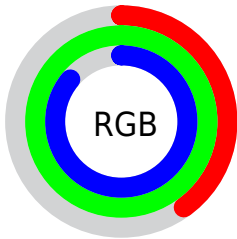
Format	Color
RYB	102, 188, 255
Decimal	6750172
CIELab	91.47, -48.72, 4.67
CIELCh	91, 48.941, 174.528
Yxy	79.5121, 0.2532, 0.3718
Android (android.graphics.Color)	4284940252 (0xFF66FFDC)
YUV	205.2630, 7.2653, -90.5617
Hunter-Lab	89.1696, -47.6518, 9.0950

Details

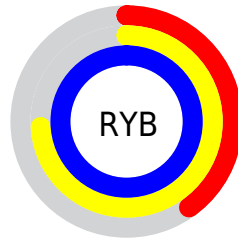
The Yxy color **79.5121, 0.2532, 0.3718** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **32.5489, 0.4578, 0.2951**, and the grayscale version is **61.1982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.6749, 0.2396, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **77.9366, 0.2485, 0.3803**, and if you desaturate by 10%, it is **81.5449, 0.2598, 0.3635**.

Distribution



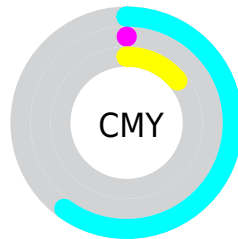
- Red (40%)
- Green (100%)
- Blue (86%)



- Red (40%)
- Yellow (74%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 79.5121, 0.2532, 0.3718 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 79.5121, 0.2532, 0.3718 by changing the saturation by 10% instead.

 79.5121, 0.2532,
0.3718

 79.5121, 0.2532,
0.3718


493.2871, 0.2803,
0.3520

 59.3169, 0.2471,
0.3763


 132.6796, 0.2625,
0.3649

 42.8683, 0.2397,
0.3819


 166.4206, 0.2662,
0.3622

 29.7818, 0.2303,
0.3890


 205.4458, 0.2693,
0.3599

 19.6730, 0.2183,
0.3982

250.1395, 0.2721,
0.3579

 12.1576, 0.2024,
0.4107

300.8861, 0.2745,
0.3562

 6.8511, 0.1801,
0.4286


358.0699, 0.2767,


 3.3692, 0.1476,


0.3546


0.4560


422.0755, 0.2786,
0.3532


 1.3274, 0.0071,
0.5523

 0.1622, 0.0000,
1.0000


 79.5121, 0.2532,
0.3718


 79.5121, 0.2532,
0.3718


 77.9366, 0.2485,
0.3803


 81.5449, 0.2598,
0.3635


 76.7918, 0.2458,
0.3888

 84.0901, 0.2681,
0.3556

 76.0198, 0.2451,
0.3974

 87.1764, 0.2778,
0.3481

 75.5369, 0.2461,
0.4058

 90.8349, 0.2887,
0.3412

 95.0944, 0.3004,
0.3348

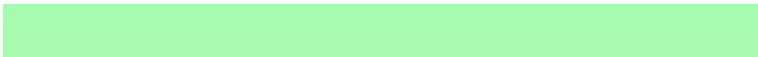
99.9816, 0.3127,
0.3290

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.



79.5121, 0.3040, 0.4190



79.5121, 0.2532, 0.3718



79.5121, 0.2201, 0.3135

Triad

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



79.5121, 0.2532, 0.3718



79.5121, 0.2600, 0.2405



79.5121, 0.4267, 0.3756

Complementary

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



79.5121, 0.2532, 0.3718



32.5489, 0.4578, 0.2951

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.



79.5121, 0.4145, 0.3311



79.5121, 0.2532, 0.3718



79.5121, 0.3132, 0.2572

Square

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



79.5121, 0.2532, 0.3718



79.5121, 0.2240, 0.2430



79.5121, 0.3712, 0.2893



79.5121, 0.4055, 0.4140

Rectangle

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



79.5121, 0.2532, 0.3718



79.5121, 0.2108, 0.2806



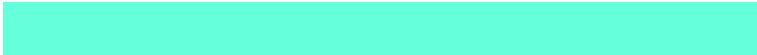
79.5121, 0.3712, 0.2893



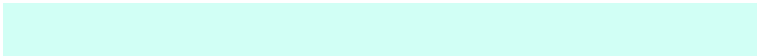
79.5121, 0.4265, 0.3609

Sweetspot

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



79.5064, 0.2532, 0.3718



91.6522, 0.2910, 0.3399



77.8494, 0.3208, 0.5141



19.3689, 0.2877, 0.3418



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.



79.5064, 0.2532, 0.3718



77.6796, 0.2478, 0.3819



58.2218, 0.2276, 0.2783



20.4062, 0.3011, 0.3345



39.4935, 0.2457, 0.4044



3.8619, 0.2430, 0.3947

Inverse Universe

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



32.5489, 0.4578, 0.2951



27.0185, 0.5054, 0.2936



41.7827, 0.4727, 0.3698



18.0551, 0.3258, 0.3236



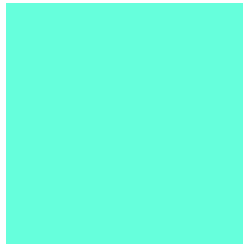
11.2887, 0.6000, 0.3079



1.1149, 0.5691, 0.2909

Previews

White Background



This preview shows how the Yxy color 79.5121, 0.2532, 0.3718 looks on a white background.

Color Contrast Check

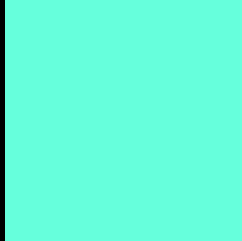
Large Text (above 18pt) WCAG AA × Fail

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 79.5121, 0.2532, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

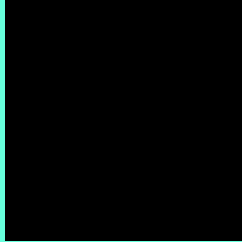
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 79.5121, 0.2532, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 79.5121, 0.2532, 0.3718.

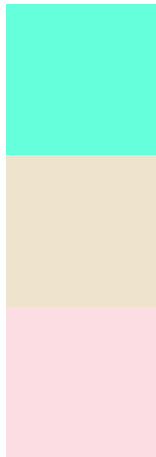


This preview shows how white text looks on a background with the Yxy color 79.5121, 0.2532, 0.3718.

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

79.5121, 0.2532, 0.3718

Protanopia

78.1202, 0.3342, 0.3522

Deuteranopia

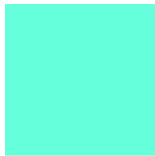
77.7682, 0.3302, 0.3230



Tritanopia

78.5656, 0.2627, 0.3133

Trichromacy



Original Color

79.5121, 0.2532, 0.3718



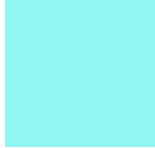
Protanomaly

76.6710, 0.2972, 0.3598



Deuteranomaly

75.5300, 0.2945, 0.3390



Tritanomaly

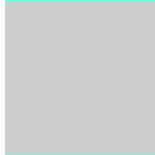
78.3421, 0.2582, 0.3335

Monochromacy



Original Color

79.5121, 0.2532, 0.3718



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

65.7533, 0.2840, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5121, 0.2532, 0.3718 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(102, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 220)  
}
```

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(102, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 79.5121, 0.2532, 0.3718 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(102, 255, 220) }
```

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

```
.border{ border-color:rgb(102, 255, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 220);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5121, 0.2532, 0.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 220) }
```

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

```
.background{ background-color: rgb(102,  
255, 220) }
```

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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