

Converting Colors

$Y_{xy}(78.7010, 0.2496, 0.3738)$

Have a look what the booklet for
Yxy(78.7010, 0.2496, 0.3738)
contains.

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Color

Yxy(78.7092, 0.2495, 0.3735)

Conversions

Conversions Part 1

Format	Color
Hex	58FFDB
RGB	88, 255, 219
RGB Percent	35%, 100%, 86%
CMY	0.6545, 0.0000, 0.1411
CMYK	0.65, 0.00, 0.14, 0.00
HSL	167°, 100%, 67%
HSV	167°, 65%, 100%
XYZ	52.5782, 78.7092, 79.4468
YIQ	200.9630, -87.9760, -46.6000

Conversions

Conversions Part 2

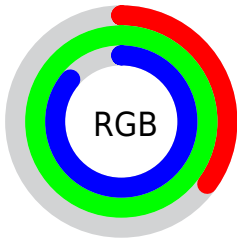
Format	Color
R_{YB}	88, 182, 255
Decimal	5832667
CIE _{Lab}	91.10, -51.20, 4.61
CIE _{LCh}	91, 51.407, 174.860
Yxy	78.7092, 0.2495, 0.3735
Android (android.graphics.Color)	4284022747 (0xFF58FFDB)
YUV	200.9630, 8.8922, -99.0686
Hunter-Lab	88.7182, -49.4702, 9.0088

Details

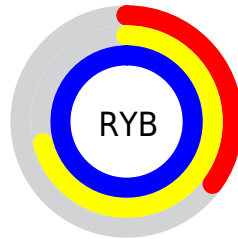
The Yxy color **78.7092, 0.2495, 0.3735** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **29.7118, 0.4820, 0.2960**, and the grayscale version is **58.3871, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **42.6128, 0.2398, 0.3831** is the 20% darker color. If you saturate the color by 10%, you get **77.3915, 0.2458, 0.3815**, and if you desaturate by 10%, it is **80.4776, 0.2552, 0.3656**.

Distribution



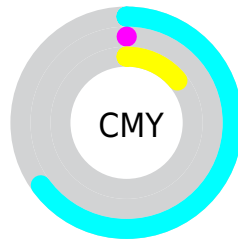
- Red (35%)
- Green (100%)
- Blue (86%)



- Red (35%)
- Yellow (71%)
- Blue (100%)



- Cyan (65%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (65%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7092, 0.2495, 0.3735 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 78.7092, 0.2495, 0.3735 by changing the saturation by 10% instead.


 78.7092, 0.2495,
0.3735


 78.7092, 0.2495,
0.3735


490.5720, 0.2783,
0.3529


 58.6567, 0.2430,
0.3782


 131.5494, 0.2594,
0.3663


 42.3369, 0.2351,
0.3840


 165.1059, 0.2633,
0.3636

 29.3652, 0.2252,
0.3914


 203.9326, 0.2666,
0.3612

 19.3572, 0.2125,
0.4010

 248.4138, 0.2696,
0.3591

 11.9287, 0.1955,
0.4140

298.9340, 0.2722,
0.3572

 6.6951, 0.1720,
0.4326


355.8775, 0.2744,


 3.2722, 0.1377,


0.3556


0.4611


419.6287, 0.2765,
0.3542

 1.2754, 0.0000,
0.5563

 0.1221, 0.0000,
1.0000

 78.7092, 0.2495,
0.3735


 78.7092, 0.2495,
0.3735


 77.3915, 0.2458,
0.3815

 80.4776, 0.2552,
0.3656

 76.4677, 0.2441,
0.3895

 82.7285, 0.2627,
0.3580


 75.8819, 0.2443,
0.3975

 85.5011, 0.2718,
0.3508

 75.6887, 0.2448,
0.4011

 88.8282, 0.2823,
0.3440

 92.7396, 0.2937,
0.3377

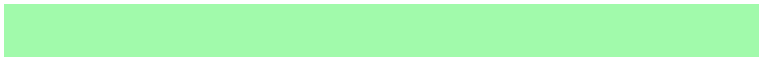
 97.2633, 0.3059,
0.3319

99.9977, 0.3127,
0.3290

Harmonies

Analogous

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



78.7092, 0.3026, 0.4240



78.7092, 0.2495, 0.3735



78.7092, 0.2152, 0.3117

Triad

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



78.7092, 0.2495, 0.3735



78.7092, 0.2577, 0.2364



78.7092, 0.4327, 0.3778

Complementary

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



78.7092, 0.2495, 0.3735



29.7118, 0.4820, 0.2960

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.



78.7092, 0.4203, 0.3313



78.7092, 0.2495, 0.3735



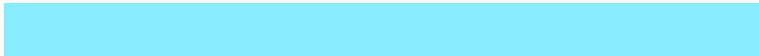
78.7092, 0.3137, 0.2541

Square

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



78.7092, 0.2495, 0.3735



78.7092, 0.2201, 0.2386



78.7092, 0.3749, 0.2877



78.7092, 0.4097, 0.4184

Rectangle

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



78.7092, 0.2495, 0.3735



78.7092, 0.2059, 0.2772



78.7092, 0.3749, 0.2877



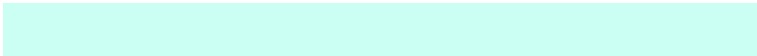
78.7092, 0.4327, 0.3625

Sweetspot

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



78.7123, 0.2495, 0.3735



90.8893, 0.2884, 0.3405



76.5282, 0.3185, 0.5314



19.2222, 0.2852, 0.3422



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.



78.7123, 0.2495, 0.3735



77.0236, 0.2450, 0.3844



54.2687, 0.2211, 0.2692



20.4104, 0.3009, 0.3342



39.5733, 0.2444, 0.3998



3.8690, 0.2419, 0.3907

Inverse Universe

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



29.7118, 0.4820, 0.2960



24.7194, 0.5376, 0.2973



39.4010, 0.4914, 0.3743



18.0512, 0.3260, 0.3239



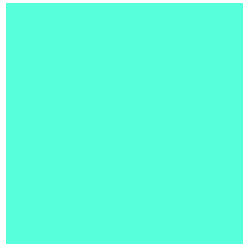
11.2705, 0.6038, 0.3100



1.1126, 0.5733, 0.2932

Previews

White Background



This preview shows how the Yxy color 78.7092, 0.2495, 0.3735 looks on a white background.

Color Contrast Check

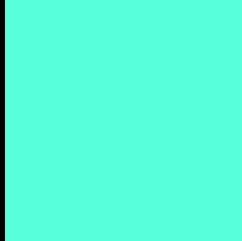
Large Text (above 18pt) WCAG AA × Fail

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 78.7092, 0.2495, 0.3735 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 78.7092, 0.2495, 0.3735

Background



This preview shows how black text looks on a background with the Yxy color 78.7092, 0.2495, 0.3735.

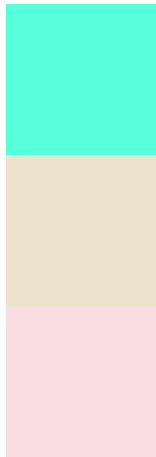


This preview shows how white text looks on a background with the Yxy color 78.7092, 0.2495, 0.3735.

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

78.7092, 0.2495, 0.3735

Protanopia

77.3023, 0.3350, 0.3533

Deuteranopia

77.0564, 0.3296, 0.3220



Tritanopia

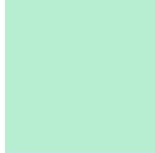
77.9171, 0.2597, 0.3132

Trichromacy



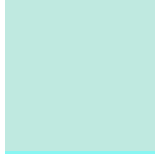
Original Color

78.7092, 0.2495, 0.3735



Protanomaly

75.2391, 0.2946, 0.3614



Deuteranomaly

74.7360, 0.2908, 0.3391



Tritanomaly

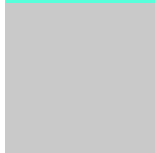
77.5566, 0.2543, 0.3335

Monochromacy



Original Color

78.7092, 0.2495, 0.3735



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

63.7406, 0.2801, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7092, 0.2495, 0.3735 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(88, 255, 219)` looks like.

```
.text, #text, p{  
    color:rgb(88, 255, 219)  
}
```

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(88, 255, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 255, 219) }
```

Border

The CSS property to change the border of an element to Yxy 78.7092, 0.2495, 0.3735 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(88, 255, 219) }
```

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

```
.border{ border-color:rgb(88, 255, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 255, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 255, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 255, 219);  
box-shadow:4px 4px 4px 4px rgb(88, 255,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7092, 0.2495, 0.3735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 255, 219) }
```

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

```
.background{ background-color: rgb(88, 255,  
219) }
```

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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