

Converting Colors

$Y_{xy}(78.2243, 0.2411, 0.3636)$

Have a look what the booklet for
Yxy(78.2243, 0.2411, 0.3636)
contains.

Yxy(78.2243, 0.2411, 0.3636)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.2243, 0.2411, 0.3636)

Conversions

Conversions Part 1

Format	Color
Hex	42FFE3
RGB	66, 255, 227
RGB Percent	26%, 100%, 89%
CMY	0.7414, 0.0000, 0.1098
CMYK	0.74, 0.00, 0.11, 0.00
HSL	171°, 100%, 63%
HSV	171°, 74%, 100%
XYZ	51.8699, 78.2243, 85.0442
YIQ	195.2970, -103.6560, -48.7760

Conversions

Conversions Part 2

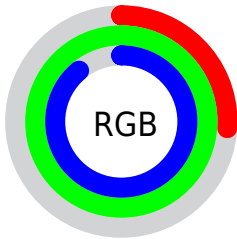
Format	Color
RYB	66, 168, 255
Decimal	4390883
CIELab	90.88, -52.10, 0.09
CIElCh	91, 52.102, 179.898
Yxy	78.2243, 0.2411, 0.3636
Android (android.graphics.Color)	4282580963 (0xFF42FFE3)
YUV	195.2970, 15.6296, -113.3935
Hunter-Lab	88.4445, -50.0934, 4.9006

Details

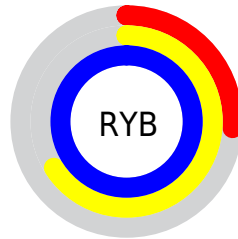
The Yxy color **78.2243, 0.2411, 0.3636** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.9578, 0.5358, 0.3077**, and the grayscale version is **54.7019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3154, 0.2520, 0.3288**, and **42.9111, 0.2359, 0.3693** is the 20% darker color. If you saturate the color by 10%, you get **77.3206, 0.2386, 0.3689**, and if you desaturate by 10%, it is **79.5246, 0.2456, 0.3583**.

Distribution



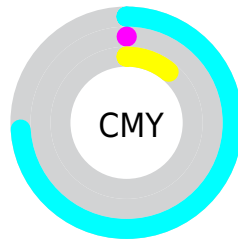
- Red (26%)
- Green (100%)
- Blue (89%)



- Red (26%)
- Yellow (66%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (74%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2243, 0.2411, 0.3636 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 78.2243, 0.2411, 0.3636 by changing the saturation by 10% instead.


 78.2243, 0.2411,
0.3636


 78.2243, 0.2411,
0.3636


488.9282, 0.2735,
0.3480

 58.2583, 0.2339,
0.3671


 130.8663, 0.2522,
0.3583

 42.0163, 0.2252,
0.3713


 164.3110, 0.2565,
0.3562

 29.1141, 0.2143,
0.3766


 203.0174, 0.2603,
0.3543

 19.1671, 0.2003,
0.3833

 247.3698, 0.2636,
0.3527

 11.7911, 0.1820,
0.3922

297.7527, 0.2665,
0.3513

 6.6016, 0.1571,
0.4043


354.5505, 0.2691,


 3.2142, 0.1217,


0.3501


0.4214


418.1476, 0.2714,
0.3490

 1.2446, 0.0000,
0.4802


 0.0977, 0.0000,
0.4945


 78.2243, 0.2411,
0.3636


 78.2243, 0.2411,
0.3636


 77.3206, 0.2386,
0.3689


 79.5246, 0.2456,
0.3583

 76.7599, 0.2379,
0.3742


 81.2713, 0.2521,
0.3531

 76.5426, 0.2381,
0.3772


 83.5036, 0.2604,
0.3480

 86.2570, 0.2703,
0.3432

 89.5637, 0.2816,
0.3386

 93.4535, 0.2940,
0.3344

 97.9537, 0.3071,
0.3305

 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.



78.2243, 0.2925, 0.4191



78.2243, 0.2411, 0.3636



78.2243, 0.2104, 0.3017

Triad

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



78.2243, 0.2411, 0.3636



78.2243, 0.2654, 0.2368



78.2243, 0.4329, 0.3860

Complementary

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



78.2243, 0.2411, 0.3636



25.9578, 0.5358, 0.3077

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.



78.2243, 0.4267, 0.3391



78.2243, 0.2411, 0.3636



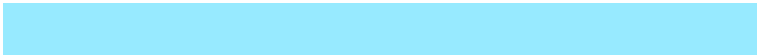
78.2243, 0.3243, 0.2578

Square

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



78.2243, 0.2411, 0.3636



78.2243, 0.2236, 0.2354



78.2243, 0.3854, 0.2940



78.2243, 0.4042, 0.4250

Rectangle

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



78.2243, 0.2411, 0.3636



78.2243, 0.2038, 0.2691



78.2243, 0.3854, 0.2940



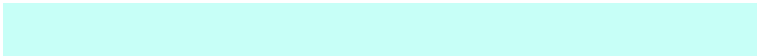
78.2243, 0.4350, 0.3707

Sweetspot

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



78.2232, 0.2411, 0.3636



90.3450, 0.2842, 0.3377



74.3088, 0.3112, 0.5587



19.1263, 0.2809, 0.3389



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.



78.2232, 0.2411, 0.3636



77.0093, 0.2380, 0.3715



44.6999, 0.2086, 0.2425



20.4325, 0.3000, 0.3325



40.0127, 0.2379, 0.3764



3.9079, 0.2362, 0.3704

Inverse Universe

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



25.9578, 0.5358, 0.3077



22.4369, 0.5942, 0.3136



38.1874, 0.5124, 0.3876



18.0309, 0.3271, 0.3255



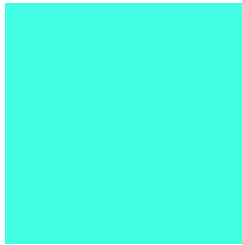
11.1942, 0.6202, 0.3190



1.1023, 0.5934, 0.3043

Previews

White Background



This preview shows how the Yxy color 78.2243, 0.2411, 0.3636 looks on a white background.

Color Contrast Check

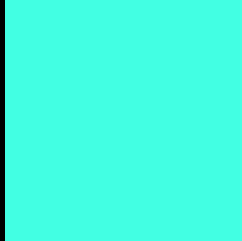
Large Text (above 18pt) WCAG AA × Fail

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 78.2243, 0.2411, 0.3636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

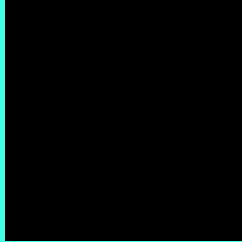
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

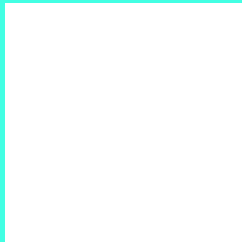
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2243, 0.2411, 0.3636

Background



This preview shows how black text looks on a background with the Yxy color 78.2243, 0.2411, 0.3636.

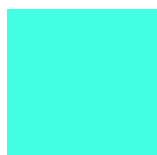


This preview shows how white text looks on a background with the Yxy color 78.2243, 0.2411, 0.3636.

Color Blindness Simulation

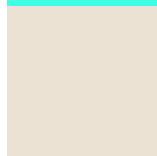
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



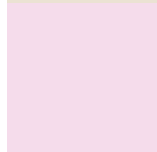
Original Color

78.2243, 0.2411, 0.3636



Protanopia

76.7580, 0.3290, 0.3449



Deuteranopia

76.5970, 0.3205, 0.3138



Tritanopia

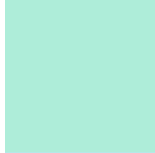
77.2987, 0.2568, 0.3131

Trichromacy



Original Color

78.2243, 0.2411, 0.3636



Protanomaly

74.5768, 0.2847, 0.3523



Deuteranomaly

73.8073, 0.2796, 0.3300



Tritanomaly

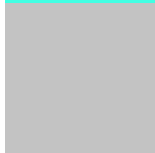
76.7892, 0.2482, 0.3300

Monochromacy



Original Color

78.2243, 0.2411, 0.3636



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

60.4266, 0.2730, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2243, 0.2411, 0.3636 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(66, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(66, 255, 227)  
}
```

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(66, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 78.2243, 0.2411, 0.3636 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(66, 255, 227) }
```

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

```
.border{ border-color:rgb(66, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(66, 255, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(66, 255, 227); box-shadow:4px 4px 4px 4px rgb(66, 255, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2243, 0.2411, 0.3636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 255, 227) }
```

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

```
.background{ background-color: rgb(66, 255,  
227) }
```

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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