

Converting Colors

$Y_{xy}(100.0000, 0.2634, 0.4020)$

Have a look what the booklet for
Yxy(100.0000, 0.2634, 0.4020)
contains.

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Color

Yxy(80.3321, 0.2577, 0.3713)

Conversions

Conversions Part 1

Format	Color
Hex	73FFDC
RGB	115, 255, 220
RGB Percent	45%, 100%, 86%
CMY	0.5487, 0.0000, 0.1373
CMYK	0.55, 0.00, 0.14, 0.00
HSL	165°, 100%, 73%
HSV	165°, 55%, 100%
XYZ	55.7543, 80.3321, 80.2672
YIQ	209.1500, -72.2050, -40.5650

Conversions

Conversions Part 2

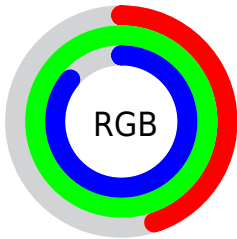
Format	Color
RYB	115, 195, 255
Decimal	7602140
CIELab	91.83, -46.25, 5.25
CIELCh	92, 46.545, 173.525
Yxy	80.3321, 0.2577, 0.3713
Android (android.graphics.Color)	4285792220 (0xFF73FFDC)
YUV	209.1500, 5.3490, -82.5696
Hunter-Lab	89.6282, -45.8112, 9.6421

Details

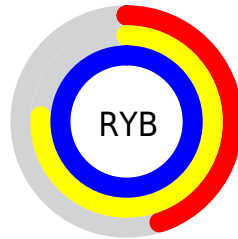
The Yxy color **80.3321, 0.2577, 0.3713** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **35.7442, 0.4348, 0.2939**, and the grayscale version is **63.8772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9701, 0.2681, 0.3289**, and **43.6403, 0.2454, 0.3821** is the 20% darker color. If you saturate the color by 10%, you get **78.5060, 0.2522, 0.3806**, and if you desaturate by 10%, it is **82.6555, 0.2650, 0.3624**.

Distribution



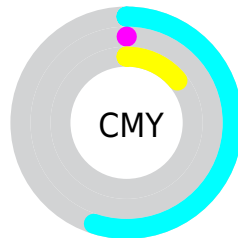
- Red (45%)
- Green (100%)
- Blue (86%)



- Red (45%)
- Yellow (76%)
- Blue (100%)



- Cyan (55%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)





- Cyan (55%)
- Magenta (0%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.3321, 0.2577, 0.3713 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 80.3321, 0.2577, 0.3713 by changing the saturation by 10% instead.


 80.3321, 0.2577,
0.3713


 80.3321, 0.2577,
0.3713


496.0513, 0.2828,
0.3517


 59.9917, 0.2521,
0.3758


 133.8325, 0.2663,
0.3645

 43.4119, 0.2452,
0.3813


 167.7614, 0.2697,
0.3618

 30.2085, 0.2365,
0.3883

 206.9884, 0.2726,
0.3596

 19.9969, 0.2254,
0.3975

251.8981, 0.2752,
0.3576

 12.3928, 0.2105,
0.4100

302.8749, 0.2774,
0.3558

 7.0118, 0.1898,
0.4278


360.3031, 0.2794,


 3.4695, 0.1591,


0.3543


0.4554

424.5671, 0.2812,
0.3529


 1.3815, 0.0454,
0.5396


 0.2030, 0.0000,
1.0000


 80.3321, 0.2577,
0.3713


 80.3321, 0.2577,
0.3713


 78.5060, 0.2522,
0.3806


 82.6555, 0.2650,
0.3624


 77.1271, 0.2486,
0.3900


 85.5028, 0.2739,
0.3539


 76.1513, 0.2471,
0.3995

 88.9096, 0.2840,
0.3460

 75.5205, 0.2475,
0.4088

 92.9060, 0.2951,
0.3387

 75.2884, 0.2482,
0.4136

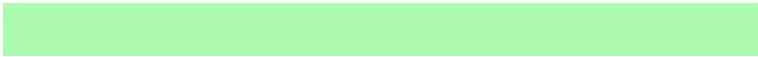
 97.5195, 0.3068,
0.3320

99.9983, 0.3127,
0.3290

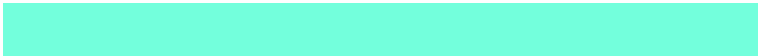
Harmonies

Analogous

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



80.3321, 0.3065, 0.4149



80.3321, 0.2577, 0.3713



80.3321, 0.2252, 0.3164

Triad

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



80.3321, 0.2577, 0.3713



80.3321, 0.2612, 0.2443



80.3321, 0.4210, 0.3724

Complementary

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



80.3321, 0.2577, 0.3713



35.7442, 0.4348, 0.2939

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.



80.3321, 0.4081, 0.3299



80.3321, 0.2577, 0.3713



80.3321, 0.3114, 0.2597

Square

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



80.3321, 0.2577, 0.3713



80.3321, 0.2274, 0.2476



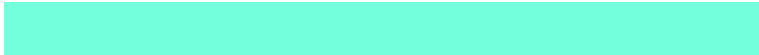
80.3321, 0.3665, 0.2901



80.3321, 0.4021, 0.4091

Rectangle

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



80.3321, 0.2577, 0.3713



80.3321, 0.2158, 0.2847



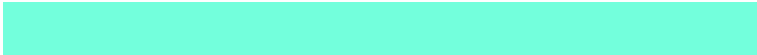
80.3321, 0.3665, 0.2901



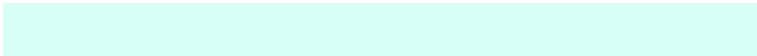
80.3321, 0.4204, 0.3584

Sweetspot

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



80.3353, 0.2577, 0.3713



92.4261, 0.2938, 0.3395



79.4712, 0.3238, 0.4961



19.5993, 0.2915, 0.3409



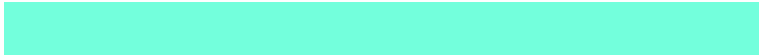
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



80.3353, 0.2577, 0.3713



78.3302, 0.2517, 0.3816



63.2988, 0.2347, 0.2894



20.3992, 0.3013, 0.3350



39.3659, 0.2478, 0.4121



3.8504, 0.2448, 0.4014

Inverse Universe

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



35.7442, 0.4348, 0.2939



29.6079, 0.4760, 0.2902



43.5936, 0.4564, 0.3625



18.0616, 0.3255, 0.3231



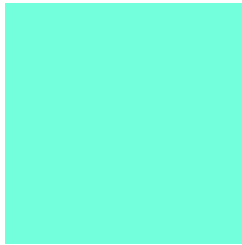
11.3210, 0.5935, 0.3043



1.1189, 0.5620, 0.2870

Previews

White Background



This preview shows how the Yxy color 80.3321, 0.2577, 0.3713 looks on a white background.

Color Contrast Check

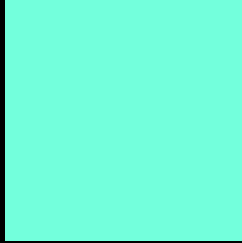
Large Text (above 18pt) WCAG AA × Fail

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 80.3321, 0.2577, 0.3713 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

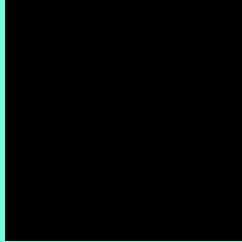
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.3321, 0.2577, 0.3713

Background



This preview shows how black text looks on a background with the Yxy color 80.3321, 0.2577, 0.3713.

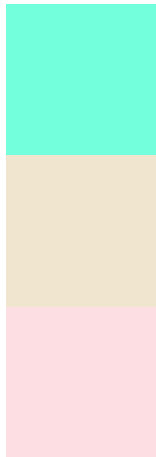


This preview shows how white text looks on a background with the Yxy color 80.3321, 0.2577, 0.3713.

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

80.3321, 0.2577, 0.3713

Protanopia

79.0201, 0.3355, 0.3531

Deuteranopia

78.6713, 0.3316, 0.3240



Tritanopia

79.8382, 0.2659, 0.3146

Trichromacy



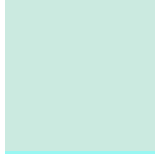
Original Color

80.3321, 0.2577, 0.3713



Protanomaly

77.4543, 0.3009, 0.3595



Deuteranomaly

76.9240, 0.2984, 0.3400



Tritanomaly

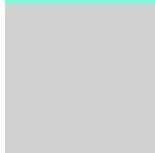
79.7046, 0.2620, 0.3346

Monochromacy



Original Color

80.3321, 0.2577, 0.3713



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

68.3108, 0.2868, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.3321, 0.2577, 0.3713 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(115, 255, 220)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 255, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 255, 220) }
```

Border

The CSS property to change the border of an element to Yxy 80.3321, 0.2577, 0.3713 is called "border". The border property can be set on classes, ids or directly on the HTML element.

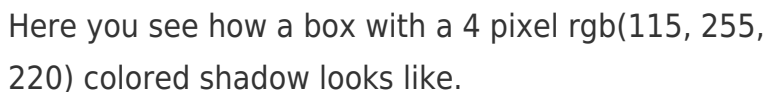
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 255, 220) }
```

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

```
.border{ border-color:rgb(115, 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(115, 255, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 255, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 255, 220); box-shadow:4px 4px 4px 4px rgb(115, 255, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 80.3321, 0.2577, 0.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 255, 220) }
```

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

```
.background{ background-color: rgb(115,  
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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