

Converting Colors

$Yxy(80.5614, 0.2414, 0.3258)$

Have a look what the booklet for
Yxy(80.5614, 0.2414, 0.3258)
contains.

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Color

Yxy(80.2856, 0.2413, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	70FCFF
RGB	112, 252, 255
RGB Percent	44%, 99%, 100%
CMY	0.5603, 0.0118, 0.0000
CMYK	0.56, 0.01, 0.00, 0.00
HSL	181°, 100%, 72%
HSV	181°, 56%, 100%
XYZ	59.5540, 80.2856, 106.9652
YIQ	210.4820, -84.4030, -28.7470

Conversions

Conversions Part 2

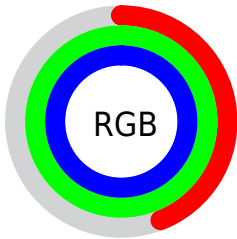
Format	Color
R_{YB}	112, 183, 255
Decimal	7404799
CIE _{Lab}	91.81, -36.86, -12.93
CIE _{LCh}	92, 39.062, 199.338
Yxy	80.2856, 0.2413, 0.3253
Android (android.graphics.Color)	4285594879 (0xFF70FCFF)
YUV	210.4820, 21.9474, -86.3687
Hunter-Lab	89.6022, -38.1641, -8.0576

Details

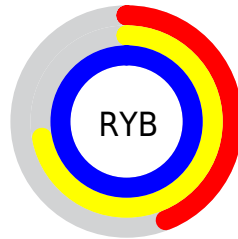
The Yxy color **80.2856, 0.2413, 0.3253** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.7257, 0.4817, 0.3324**, and the grayscale version is **64.6993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.8540, 0.2676, 0.3289**, and **43.4145, 0.2263, 0.3242** is the 20% darker color. If you saturate the color by 10%, you get **78.5070, 0.2339, 0.3246**, and if you desaturate by 10%, it is **82.5448, 0.2506, 0.3260**.

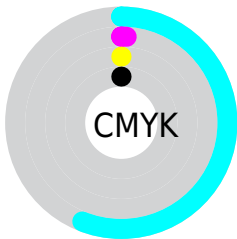
Distribution



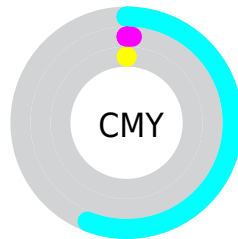
- Red (44%)
- Green (99%)
- Blue (100%)



- Red (44%)
- Yellow (72%)
- Blue (100%)



- Cyan (56%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (56%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.2856, 0.2413, 0.3253 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 80.2856, 0.2413, 0.3253 by changing the saturation by 10% instead.


 80.2856, 0.2413,
0.3253

 80.2856, 0.2413,
0.3253


495.8948, 0.2729,
0.3279


 59.9534, 0.2344,
0.3245


 133.7672, 0.2520,
0.3263

 43.3811, 0.2261,
0.3235

 167.6854, 0.2562,
0.3267

 30.1842, 0.2158,
0.3220


 206.9010, 0.2599,
0.3270

 19.9785, 0.2029,
0.3199

251.7985, 0.2632,
0.3272

 12.3794, 0.1862,
0.3166

302.7622, 0.2660,
0.3274

 7.0026, 0.1638,
0.3113


360.1766, 0.2686,

 3.4637, 0.1329,


0.3276


0.3017


424.4260, 0.2709,
0.3278


 1.3784, 0.0716,
0.2875


 0.2007, 0.0000,
0.1506


 80.2856, 0.2413,
0.3253


 80.2856, 0.2413,
0.3253


 78.5070, 0.2339,
0.3246


 82.5448, 0.2506,
0.3260

 77.1589, 0.2286,
0.3239


 85.3120, 0.2617,
0.3267

 76.1963, 0.2251,
0.3232

 88.6229, 0.2743,
0.3274

 75.5593, 0.2233,
0.3225

 92.5077, 0.2883,
0.3281

 75.3615, 0.2228,
0.3222

 96.9941, 0.3033,
0.3287

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.



80.2856, 0.2717, 0.3703



80.2856, 0.2413, 0.3253



80.2856, 0.2294, 0.2857

Triad

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



80.2856, 0.2413, 0.3253



80.2856, 0.3056, 0.2671



80.2856, 0.3920, 0.3938

Complementary

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



80.2856, 0.2413, 0.3253



34.7257, 0.4817, 0.3324

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.



80.2856, 0.4038, 0.3620



80.2856, 0.2413, 0.3253



80.2856, 0.3519, 0.2918

Square

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



80.2856, 0.2413, 0.3253



80.2856, 0.2643, 0.2560



80.2856, 0.3890, 0.3255



80.2856, 0.3587, 0.4108

Rectangle

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



80.2856, 0.2413, 0.3253



80.2856, 0.2326, 0.2678



80.2856, 0.3890, 0.3255



80.2856, 0.3987, 0.3843

Sweetspot

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



80.2886, 0.2413, 0.3253



92.1040, 0.2869, 0.3280



76.1998, 0.3033, 0.5076



19.5393, 0.2840, 0.3279



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.



80.2886, 0.2413, 0.3253



78.3576, 0.2333, 0.3245



43.7956, 0.2221, 0.2355



20.4119, 0.2980, 0.3285



39.4077, 0.2229, 0.3223



3.8571, 0.2231, 0.3231

Inverse Universe

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



39.9046, 0.3216, 0.1986



34.6144, 0.3232, 0.1807



57.5277, 0.4332, 0.4038



18.2934, 0.3141, 0.3061



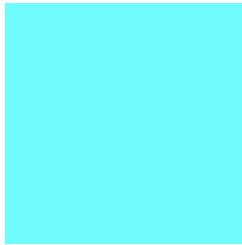
14.7062, 0.3263, 0.1571



1.4339, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 80.2856, 0.2413, 0.3253 looks on a white background.

Color Contrast Check

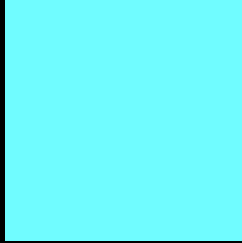
Large Text (above 18pt) WCAG AA × Fail

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 80.2856, 0.2413, 0.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

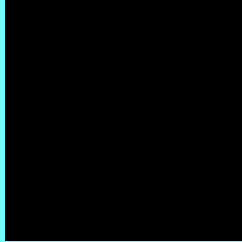
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.2856, 0.2413, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 80.2856, 0.2413, 0.3253.

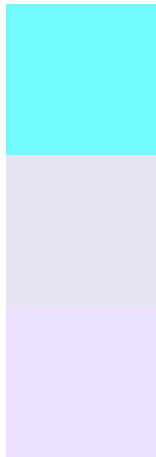


This preview shows how white text looks on a background with the Yxy color 80.2856, 0.2413, 0.3253.

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

80.2856, 0.2413, 0.3253

Protanopia

79.3784, 0.3065, 0.3166

Deuteranopia

78.9033, 0.3013, 0.2987



Tritanopia

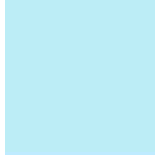
79.6085, 0.2649, 0.3146

Trichromacy



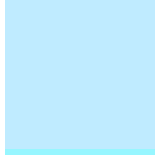
Original Color

80.2856, 0.2413, 0.3253



Protanomaly

77.9136, 0.2770, 0.3190



Deuteranomaly

77.7130, 0.2738, 0.3073



Tritanomaly

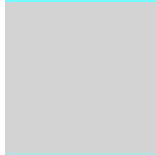
79.7108, 0.2550, 0.3187

Monochromacy



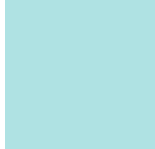
Original Color

80.2856, 0.2413, 0.3253



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

69.0527, 0.2788, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.2856, 0.2413, 0.3253 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(112, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 252, 255)  
}
```

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(112, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 252, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.2856, 0.2413, 0.3253 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(112, 252, 255) }
```

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

```
.border{ border-color:rgb(112, 252, 255) }
```

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

Here you see how a box with a 4 pixel rgb(112, 252, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 252,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.2856, 0.2413, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 252, 255) }
```

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

```
.background{ background-color: rgb(112,  
252, 255) }
```

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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