

Converting Colors

$Yxy(81.0464, 0.2312, 0.2933)$

Have a look what the booklet for
Yxy(81.0464, 0.2312, 0.2933)
contains.

Yxy(79.1686, 0.2414, 0.3230)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(79.1686, 0.2414, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	72FAFF
RGB	114, 250, 255
RGB Percent	45%, 98%, 100%
CMY	0.5532, 0.0196, 0.0000
CMYK	0.55, 0.02, 0.00, 0.00
HSL	182°, 100%, 72%
HSV	182°, 55%, 100%
XYZ	59.1681, 79.1686, 106.7673
YIQ	209.9060, -82.6610, -27.2770

Conversions

Conversions Part 2

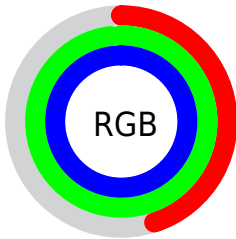
Format	Color
RYB	114, 183, 255
Decimal	7535359
CIELab	91.31, -35.62, -13.68
CIElCh	91, 38.155, 201.007
Yxy	79.1686, 0.2414, 0.3230
Android (android.graphics.Color)	4285725439 (0xFF72FAFF)
YUV	209.9060, 22.2313, -84.1096
Hunter-Lab	88.9767, -37.0096, -8.8611

Details

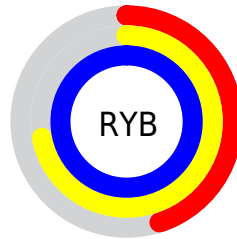
The Yxy color **79.1686, 0.2414, 0.3230** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **35.6494, 0.4771, 0.3344**, and the grayscale version is **64.2676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **42.6105, 0.2263, 0.3211** is the 20% darker color. If you saturate the color by 10%, you get **77.1355, 0.2337, 0.3218**, and if you desaturate by 10%, it is **81.6868, 0.2510, 0.3242**.

Distribution



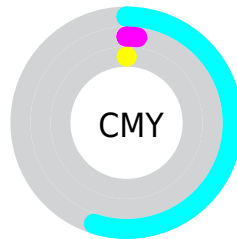
- Red (45%)
- Green (98%)
- Blue (100%)



- Red (45%)
- Yellow (72%)
- Blue (100%)



- Cyan (55%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (55%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.1686, 0.2414, 0.3230 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 79.1686, 0.2414, 0.3230 by changing the saturation by 10% instead.


 79.1686, 0.2414,
0.3230

 79.1686, 0.2414,
0.3230


492.1265, 0.2731,
0.3266


 59.0344, 0.2345,
0.3220


 132.1962, 0.2521,
0.3244

 42.6408, 0.2262,
0.3206


 165.8584, 0.2564,
0.3249

 29.6034, 0.2159,
0.3188


 204.7988, 0.2601,
0.3253

 19.5378, 0.2029,
0.3162

249.4017, 0.2633,
0.3257

 12.0595, 0.1860,
0.3123

300.0515, 0.2662,
0.3260

 6.7842, 0.1635,
0.3060

357.1327, 0.2687,

 3.3275, 0.1323,

0.3262

0.2950

421.0295, 0.2710,
0.3264

■ 1.3050, 0.0685,
0.2789

■ 0.1451, 0.0000,
0.1145

■ 79.1686, 0.2414,
0.3230

■ 79.1686, 0.2414,
0.3230

■ 77.1355, 0.2337,
0.3218

■ 81.6868, 0.2510,
0.3242

■ 75.5378, 0.2280,
0.3206

■ 84.7170, 0.2623,
0.3254

■ 74.3309, 0.2242,
0.3194

■ 88.2950, 0.2752,
0.3265

■ 73.4562, 0.2222,
0.3182

■ 92.4505, 0.2893,
0.3275

73.1214, 0.2216,
0.3177

97.2114, 0.3044,
0.3285

99.9999, 0.3127,
0.3290

Harmonies

Analogous

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



79.1686, 0.2705, 0.3672



79.1686, 0.2414, 0.3230



79.1686, 0.2307, 0.2848

Triad

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



79.1686, 0.2414, 0.3230



79.1686, 0.3083, 0.2692



79.1686, 0.3892, 0.3941

Complementary

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



79.1686, 0.2414, 0.3230



35.6494, 0.4771, 0.3344

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.



79.1686, 0.4021, 0.3635



79.1686, 0.2414, 0.3230



79.1686, 0.3536, 0.2941

Square

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



79.1686, 0.2414, 0.3230



79.1686, 0.2671, 0.2575



79.1686, 0.3890, 0.3276



79.1686, 0.3557, 0.4095

Rectangle

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



79.1686, 0.2414, 0.3230



79.1686, 0.2346, 0.2678



79.1686, 0.3890, 0.3276



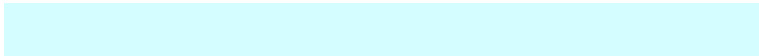
79.1686, 0.3962, 0.3850

Sweetspot

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



79.1716, 0.2414, 0.3230



91.7112, 0.2869, 0.3274



76.4155, 0.3025, 0.5025



19.4454, 0.2840, 0.3271



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.



79.1716, 0.2414, 0.3230



77.0143, 0.2333, 0.3217



43.3418, 0.2225, 0.2338



20.3648, 0.2980, 0.3281



38.2571, 0.2216, 0.3179



3.7580, 0.2220, 0.3192

Inverse Universe

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



40.1836, 0.3233, 0.2014



34.8706, 0.3253, 0.1838



58.9420, 0.4298, 0.4053



18.2886, 0.3144, 0.3064



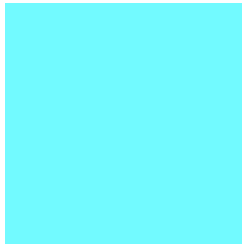
14.5900, 0.3300, 0.1591



1.4239, 0.3289, 0.1585

Previews

White Background



This preview shows how the Yxy color 79.1686, 0.2414, 0.3230 looks on a white background.

Color Contrast Check

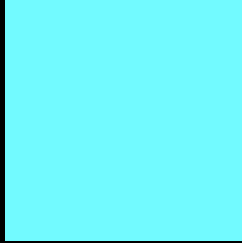
Large Text (above 18pt) WCAG AA × Fail

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 79.1686, 0.2414, 0.3230 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

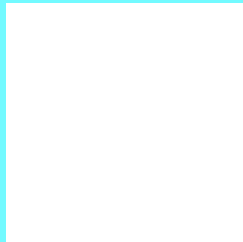
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.1686, 0.2414, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 79.1686, 0.2414, 0.3230.

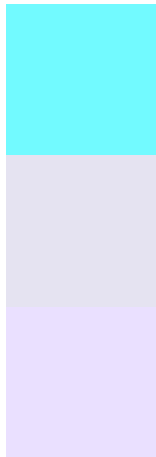


This preview shows how white text looks on a background with the Yxy color 79.1686, 0.2414, 0.3230.

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

79.1686, 0.2414, 0.3230

Protanopia

77.9471, 0.3052, 0.3145

Deuteranopia

78.0237, 0.2999, 0.2976



Tritanopia

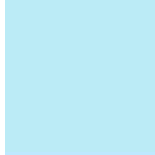
78.4554, 0.2622, 0.3133

Trichromacy



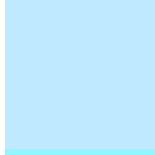
Original Color

79.1686, 0.2414, 0.3230



Protanomaly

76.6353, 0.2763, 0.3168



Deuteranomaly

76.4450, 0.2730, 0.3050



Tritanomaly

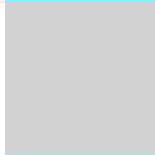
78.2173, 0.2533, 0.3164

Monochromacy



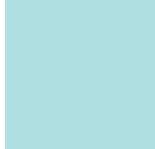
Original Color

79.1686, 0.2414, 0.3230



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

68.4554, 0.2793, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.1686, 0.2414, 0.3230 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(114, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 250, 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(114, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 79.1686, 0.2414, 0.3230 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(114, 250, 255) }
```

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

```
.border{ border-color:rgb(114, 250, 255) }
```

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

Here you see how a box with a 4 pixel rgb(114, 250, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 79.1686, 0.2414, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 250, 255) }
```

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

```
.background{ background-color: rgb(114,  
250, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor