

Converting Colors

$Y_{xy}(70.9718, 0.2332, 0.3159)$

Have a look what the booklet for
Yxy(70.9718, 0.2332, 0.3159)
contains.

Yxy(70.8088, 0.2331, 0.3154)	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(70.8088, 0.2331, 0.3154)

Conversions

Conversions Part 1

Format	Color
Hex	5AEFFA
RGB	90, 239, 250
RGB Percent	35%, 94%, 98%
CMY	0.6475, 0.0627, 0.0195
CMYK	0.64, 0.04, 0.00, 0.02
HSL	184°, 94%, 67%
HSV	184°, 64%, 98%
XYZ	52.3321, 70.8088, 101.3639
YIQ	195.7030, -92.3350, -28.1670

Conversions

Conversions Part 2

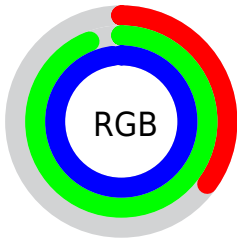
Format	Color
RYB	90, 167, 250
Decimal	5959674
CIELab	87.39, -35.85, -17.02
CIELCh	87, 39.685, 205.403
Yxy	70.8088, 0.2331, 0.3154
Android (android.graphics.Color)	4284149754 (0xFF5AEFFA)
YUV	195.7030, 26.7684, -92.7015
Hunter-Lab	84.1480, -36.2489, -12.5166

Details

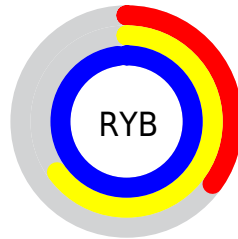
The Yxy color **70.8088, 0.2331, 0.3154** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **30.3518, 0.5139, 0.3397**, and the grayscale version is **54.8786, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8079, 0.2588, 0.3288**, and **37.7620, 0.2198, 0.3112** is the 20% darker color. If you saturate the color by 10%, you get **68.7618, 0.2267, 0.3130**, and if you desaturate by 10%, it is **73.2920, 0.2414, 0.3178**.

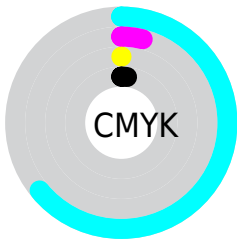
Distribution



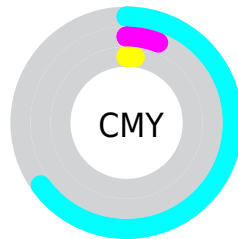
- Red (35%)
- Green (94%)
- Blue (98%)



- Red (35%)
- Yellow (65%)
- Blue (98%)



- Cyan (64%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)





- Cyan (65%)
- Magenta (6%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.8088, 0.2331, 0.3154 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 70.8088, 0.2331, 0.3154 by changing the saturation by 10% instead.


 70.8088, 0.2331,
0.3154

 70.8088, 0.2331,
0.3154


463.3848, 0.2690,
0.3229


 52.1862, 0.2252,
0.3134


 120.3614, 0.2453,
0.3182

 37.1535, 0.2156,
0.3109


 152.0602, 0.2501,
0.3192

 25.3264, 0.2037,
0.3074


 188.8866, 0.2543,
0.3201

 16.3204, 0.1886,
0.3026

 231.2248, 0.2580,
0.3208

 9.7511, 0.1690,
0.2956

279.4594, 0.2612,
0.3214

 5.2343, 0.1428,
0.2844

333.9746, 0.2641,

 2.3854, 0.1067,

0.3220

0.2652

395.1549, 0.2666,
0.3224

0.8183, 0.0000,
0.2417

0.0000, 0.0000,
0.0000

70.8088, 0.2331,
0.3154

70.8088, 0.2331,
0.3154

68.7618, 0.2267,
0.3130

73.2920, 0.2414,
0.3178

67.0986, 0.2223,
0.3107


76.2414, 0.2516,
0.3201

65.7678, 0.2196,
0.3084

79.6937, 0.2635,
0.3223


65.0865, 0.2186,
0.3070

83.6794, 0.2768,
0.3244

 88.2270, 0.2912,
0.3264

 93.3625, 0.3064,
0.3283

 97.1824, 0.3158,
0.3300

 98.2611, 0.3157,
0.3316

 99.3496, 0.3156,
0.3333

Harmonies

Analogous

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



70.8088, 0.2614, 0.3635



70.8088, 0.2331, 0.3154



70.8088, 0.2249, 0.2765

Triad

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



70.8088, 0.2331, 0.3154



70.8088, 0.3150, 0.2680



70.8088, 0.3909, 0.4026

Complementary

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



70.8088, 0.2331, 0.3154



30.3518, 0.5139, 0.3397

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.



70.8088, 0.4089, 0.3710



70.8088, 0.2331, 0.3154



70.8088, 0.3635, 0.2963

Square

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



70.8088, 0.2331, 0.3154



70.8088, 0.2692, 0.2531



70.8088, 0.3990, 0.3328



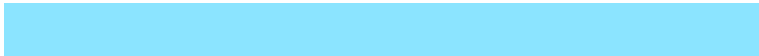
70.8088, 0.3522, 0.4165

Rectangle

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



70.8088, 0.2331, 0.3154



70.8088, 0.2310, 0.2602



70.8088, 0.3990, 0.3328



70.8088, 0.3997, 0.3934

Sweetspot

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



70.8115, 0.2331, 0.3154



89.8345, 0.2839, 0.3255



71.4811, 0.2993, 0.5254



18.9420, 0.2798, 0.3249



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.



70.8115, 0.2331, 0.3154



71.3492, 0.2252, 0.3123



33.9651, 0.2079, 0.2082



19.3922, 0.2980, 0.3273



34.6064, 0.2187, 0.3074



3.2647, 0.2195, 0.3101

Inverse Universe

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



33.8547, 0.3302, 0.1906



30.7332, 0.3339, 0.1747



53.9615, 0.4485, 0.4193



17.5028, 0.3149, 0.3072



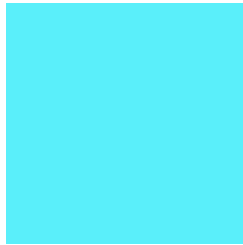
13.9044, 0.3390, 0.1641



1.2938, 0.3366, 0.1628

Previews

White Background



This preview shows how the Yxy color 70.8088, 0.2331, 0.3154 looks on a white background.

Color Contrast Check

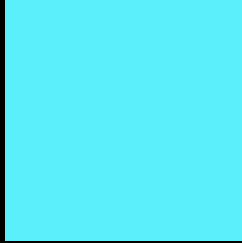
Large Text (above 18pt) WCAG AA × Fail

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 70.8088, 0.2331, 0.3154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

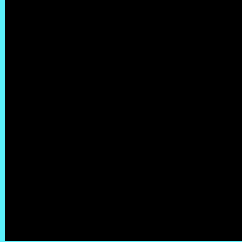
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

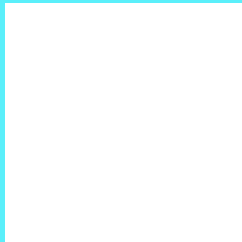
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.8088, 0.2331, 0.3154

Background



This preview shows how black text looks on a background with the Yxy color 70.8088, 0.2331, 0.3154.

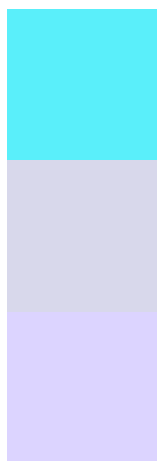


This preview shows how white text looks on a background with the Yxy color 70.8088, 0.2331, 0.3154.

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

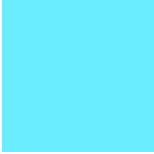
70.8088, 0.2331, 0.3154

Protanopia

69.7088, 0.3002, 0.3084

Deuteranopia

69.5226, 0.2903, 0.2839



Tritanopia

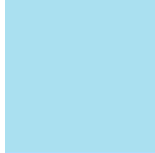
70.8525, 0.2354, 0.3073

Trichromacy



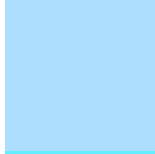
Original Color

70.8088, 0.2331, 0.3154



Protanomaly

68.1486, 0.2685, 0.3103



Deuteranomaly

68.2186, 0.2631, 0.2938



Tritanomaly

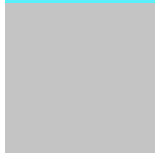
70.9502, 0.2346, 0.3108

Monochromacy



Original Color

70.8088, 0.2331, 0.3154



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

59.2129, 0.2726, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8088, 0.2331, 0.3154 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(90, 239, 250)` looks like.

```
.text, #text, p{  
    color:rgb(90, 239, 250)  
}
```

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(90, 239, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 239, 250) }
```

Border

The CSS property to change the border of an element to Yxy 70.8088, 0.2331, 0.3154 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(90, 239, 250) }
```

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

```
.border{ border-color:rgb(90, 239, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 239, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 239, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 239, 250);  
box-shadow:4px 4px 4px 4px rgb(90, 239,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8088, 0.2331, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 239, 250) }
```

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

```
.background{ background-color: rgb(90, 239,  
250) }
```

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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