

Converting Colors

$Y_{xy}(75.9152, 0.2335, 0.3193)$

Have a look what the booklet for
Yxy(75.9152, 0.2335, 0.3193)
contains.

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Color

Yxy(75.9152, 0.2335, 0.3193)

Conversions

Conversions Part 1

Format	Color
Hex	5AF7FF
RGB	90, 247, 255
RGB Percent	35%, 97%, 100%
CMY	0.6476, 0.0313, 0.0000
CMYK	0.65, 0.03, 0.00, 0.00
HSL	183°, 100%, 68%
HSV	183°, 65%, 100%
XYZ	55.5158, 75.9152, 106.3241
YIQ	200.9690, -96.1400, -30.7960

Conversions

Conversions Part 2

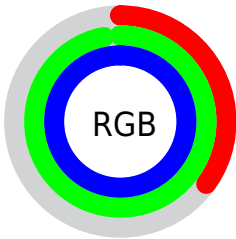
Format	Color
R_{YB}	90, 170, 255
Decimal	5961727
CIE _{Lab}	89.82, -38.17, -15.97
CIE _{LCh}	90, 41.373, 202.710
Yxy	75.9152, 0.2335, 0.3193
Android (android.graphics.Color)	4284151807 (0xFF5AF7FF)
YUV	200.9690, 26.6373, -97.3198
Hunter-Lab	87.1293, -38.7423, -11.3612

Details

The Yxy color **75.9152, 0.2335, 0.3193** 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 **30.7007, 0.5201, 0.3366**, and the grayscale version is **58.2454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9081, 0.2592, 0.3288**, and **40.9041, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **74.1027, 0.2275, 0.3176**, and if you desaturate by 10%, it is **78.1765, 0.2414, 0.3210**.

Distribution



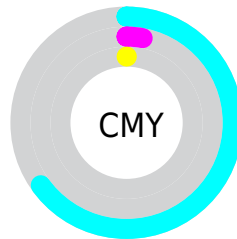
- Red (35%)
- Green (97%)
- Blue (100%)



- Red (35%)
- Yellow (67%)
- Blue (100%)



- Cyan (65%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (65%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9152, 0.2335, 0.3193 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 75.9152, 0.2335, 0.3193 by changing the saturation by 10% instead.

 75.9152, 0.2335,
0.3193


 75.9152, 0.2335,
0.3193


481.0574, 0.2688,
0.3249

 56.3630, 0.2258,
0.3178


 127.6070, 0.2454,
0.3214

 40.4940, 0.2165,
0.3158


 160.5154, 0.2502,
0.3222

 27.9239, 0.2051,
0.3131


 198.6447, 0.2543,
0.3228

 18.2683, 0.1906,
0.3094

242.3791, 0.2579,
0.3234

 11.1428, 0.1720,
0.3038

292.1033, 0.2611,
0.3238

 6.1630, 0.1472,
0.2949

348.2014, 0.2639,

 2.9444, 0.1134,

0.3242

0.2796

411.0580, 0.2665,
0.3246

■ 1.1028, 0.0241,
0.2615

■ 0.0000, 0.0000,
0.0000

■ 75.9152, 0.2335,
0.3193

■ 75.9152, 0.2335,
0.3193

■ 74.1027, 0.2275,
0.3176

■ 78.1765, 0.2414,
0.3210

■ 72.6833, 0.2235,
0.3160

■ 80.9184, 0.2513,
0.3226

■ 71.6021, 0.2212,
0.3144

■ 84.1796, 0.2628,
0.3242

■ 71.1270, 0.2204,
0.3136

■ 87.9926, 0.2759,
0.3257

■ 92.3870, 0.2901,
0.3271

■ 97.3905, 0.3053,
0.3284

■ 99.9993, 0.3127,
0.3290

Harmonies

Analogous

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



75.9152, 0.2639, 0.3685



75.9152, 0.2335, 0.3193



75.9152, 0.2233, 0.2783

Triad

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



75.9152, 0.2335, 0.3193



75.9152, 0.3104, 0.2650



75.9152, 0.3949, 0.4015

Complementary

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



75.9152, 0.2335, 0.3193



30.7007, 0.5201, 0.3366

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.



75.9152, 0.4110, 0.3683



75.9152, 0.2335, 0.3193



75.9152, 0.3603, 0.2927

Square

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



75.9152, 0.2335, 0.3193



75.9152, 0.2649, 0.2513



75.9152, 0.3983, 0.3293



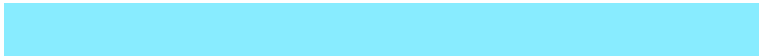
75.9152, 0.3570, 0.4180

Rectangle

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



75.9152, 0.2335, 0.3193



75.9152, 0.2283, 0.2607



75.9152, 0.3983, 0.3293



75.9152, 0.4032, 0.3917

Sweetspot

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



75.9181, 0.2335, 0.3193



90.4571, 0.2840, 0.3265



74.5134, 0.3011, 0.5336



19.0950, 0.2799, 0.3261



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.



75.9181, 0.2335, 0.3193



73.6083, 0.2260, 0.3171



36.9976, 0.2086, 0.2140



20.3222, 0.2980, 0.3278



37.2348, 0.2205, 0.3138



3.6699, 0.2210, 0.3157

Inverse Universe

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



35.2654, 0.3272, 0.1871



30.7148, 0.3299, 0.1712



53.8090, 0.4547, 0.4148



18.2843, 0.3146, 0.3067



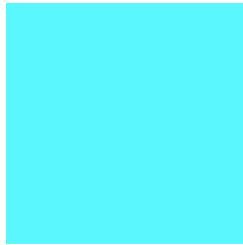
14.4868, 0.3334, 0.1610



1.4150, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 75.9152, 0.2335, 0.3193 looks on a white background.

Color Contrast Check

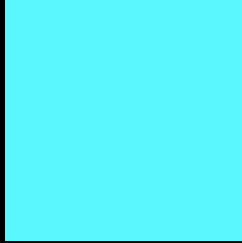
Large Text (above 18pt) WCAG AA × Fail

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 75.9152, 0.2335, 0.3193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

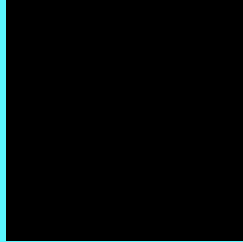
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

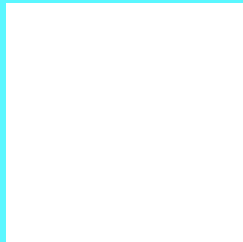
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.9152, 0.2335, 0.3193

Background



This preview shows how black text looks on a background with the Yxy color 75.9152, 0.2335, 0.3193.

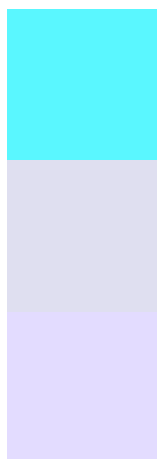


This preview shows how white text looks on a background with the Yxy color 75.9152, 0.2335, 0.3193.

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

75.9152, 0.2335, 0.3193

Protanopia

74.7546, 0.3018, 0.3110

Deuteranopia

74.7373, 0.2952, 0.2929



Tritanopia

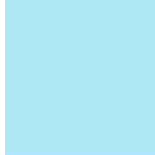
75.4695, 0.2507, 0.3117

Trichromacy



Original Color

75.9152, 0.2335, 0.3193



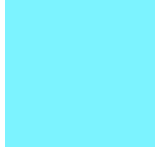
Protanomaly

73.4198, 0.2697, 0.3142



Deuteranomaly

73.1607, 0.2654, 0.3011



Tritanomaly

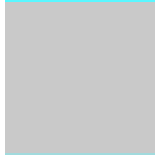
75.6063, 0.2432, 0.3148

Monochromacy



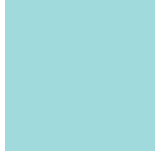
Original Color

75.9152, 0.2335, 0.3193



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

62.9403, 0.2729, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9152, 0.2335, 0.3193 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 247, 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(90, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.9152, 0.2335, 0.3193 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, 247, 255) }
```

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

```
.border{ border-color:rgb(90, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9152, 0.2335, 0.3193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 247, 255) }
```

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

```
.background{ background-color: rgb(90, 247,  
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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