

Converting Colors

$Y_{xy}(72.8723, 0.2253, 0.2856)$

Have a look what the booklet for
Yxy(72.8723, 0.2253, 0.2856)
contains.

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Color

Yxy(71.4944, 0.2332, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	61EFFF
RGB	97, 239, 255
RGB Percent	38%, 94%, 100%
CMY	0.6194, 0.0628, 0.0000
CMYK	0.62, 0.06, 0.00, 0.00
HSL	186°, 100%, 69%
HSV	186°, 62%, 100%
XYZ	53.8517, 71.4944, 105.5789
YIQ	198.3660, -89.7680, -25.1280

Conversions

Conversions Part 2

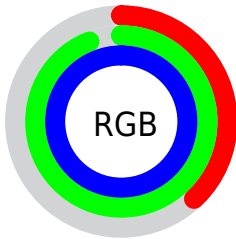
Format	Color
RYB	97, 172, 255
Decimal	6418431
CIELab	87.72, -33.35, -19.12
CIELCh	88, 38.445, 209.825
Yxy	71.4944, 0.2332, 0.3096
Android (android.graphics.Color)	4284608511 (0xFF61EFFF)
YUV	198.3660, 27.9206, -88.8980
Hunter-Lab	84.5544, -34.2855, -14.8445

Details

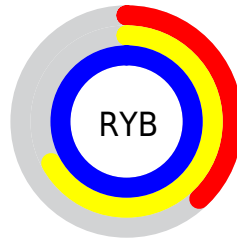
The Yxy color **71.4944, 0.2332, 0.3096** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **33.9481, 0.5004, 0.3445**, and the grayscale version is **56.5839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **37.9442, 0.2181, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **68.8104, 0.2260, 0.3061**, and if you desaturate by 10%, it is **74.6538, 0.2424, 0.3131**.

Distribution



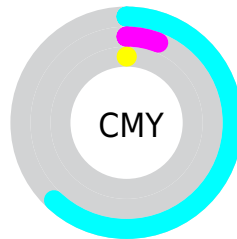
- Red (38%)
- Green (94%)
- Blue (100%)



- Red (38%)
- Yellow (67%)
- Blue (100%)



- Cyan (62%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4944, 0.2332, 0.3096 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 71.4944, 0.2332, 0.3096 by changing the saturation by 10% instead.


 71.4944, 0.2332,
0.3096


 71.4944, 0.2332,
0.3096

465.7799, 0.2689,
0.3197


 52.7458, 0.2254,
0.3070


 121.3374, 0.2453,
0.3133

 37.5999, 0.2158,
0.3038


 153.2006, 0.2501,
0.3147

 25.6723, 0.2041,
0.2995


 190.2041, 0.2543,
0.3159

 16.5786, 0.1892,
0.2936

232.7323, 0.2579,
0.3169

 9.9345, 0.1699,
0.2851

281.1695, 0.2612,
0.3177

 5.3556, 0.1442,
0.2721

335.9003, 0.2640,

 2.4574, 0.1090,

0.3185

0.2506

397.3090, 0.2666,
0.3191

0.8552, 0.0000,
0.2251

0.0000, 0.0000,
0.0000

71.4944, 0.2332,
0.3096

71.4944, 0.2332,
0.3096

68.8104, 0.2260,
0.3061

74.6538, 0.2424,
0.3131

66.5513, 0.2207,
0.3025

78.3220, 0.2533,
0.3166


64.6647, 0.2173,
0.2990

82.5359, 0.2658,
0.3198

63.3493, 0.2156,
0.2962

87.3270, 0.2796,
0.3230

 92.7246, 0.2943,
0.3258

 98.7559, 0.3097,
0.3285

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.



71.4944, 0.2581, 0.3556



71.4944, 0.2332, 0.3096



71.4944, 0.2282, 0.2741

Triad

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



71.4944, 0.2332, 0.3096



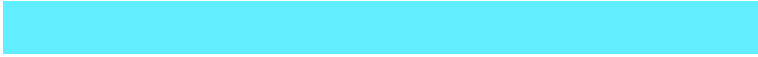
71.4944, 0.3220, 0.2732



71.4944, 0.3839, 0.4036

Complementary

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



71.4944, 0.2332, 0.3096



33.9481, 0.5004, 0.3445

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.



71.4944, 0.4047, 0.3750



71.4944, 0.2332, 0.3096



71.4944, 0.3680, 0.3023

Square

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



71.4944, 0.2332, 0.3096



71.4944, 0.2766, 0.2566



71.4944, 0.3991, 0.3384



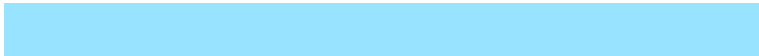
71.4944, 0.3445, 0.4132

Rectangle

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



71.4944, 0.2332, 0.3096



71.4944, 0.2361, 0.2601



71.4944, 0.3991, 0.3384



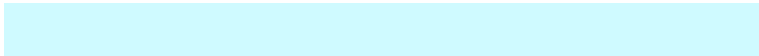
71.4944, 0.3934, 0.3956

Sweetspot

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



71.4962, 0.2332, 0.3096



88.8485, 0.2838, 0.3238



75.2536, 0.2976, 0.5129



18.7000, 0.2797, 0.3230



0.0000, 0.0000, 0.0000



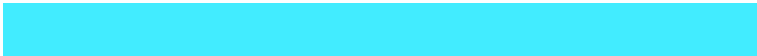
21.4041, 0.3127, 0.3290

Same Dimension

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



71.4962, 0.2332, 0.3096



68.3112, 0.2247, 0.3053



34.9879, 0.2093, 0.2057



20.1483, 0.2980, 0.3265



33.2293, 0.2158, 0.2968



3.3224, 0.2169, 0.3008

Inverse Universe

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



36.0521, 0.3347, 0.1975



31.2408, 0.3395, 0.1819



59.7460, 0.4395, 0.4221



18.2668, 0.3154, 0.3079



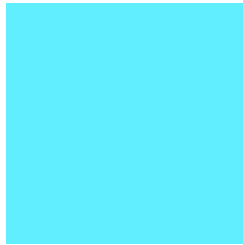
14.0825, 0.3483, 0.1692



1.3799, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 71.4944, 0.2332, 0.3096 looks on a white background.

Color Contrast Check

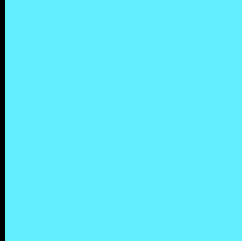
Large Text (above 18pt) WCAG AA × Fail

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 71.4944, 0.2332, 0.3096 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 71.4944, 0.2332, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 71.4944, 0.2332, 0.3096.

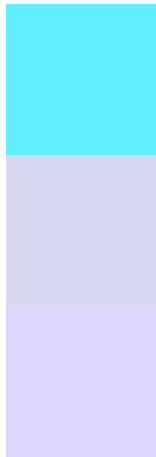


This preview shows how white text looks on a background with the Yxy color 71.4944, 0.2332, 0.3096.

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

71.4944, 0.2332, 0.3096

Protanopia

70.5755, 0.2964, 0.3032

Deuteranopia

70.3732, 0.2897, 0.2859



Tritanopia

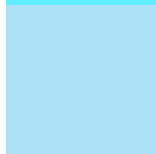
71.3658, 0.2381, 0.3075

Trichromacy



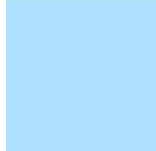
Original Color

71.4944, 0.2332, 0.3096



Protanomaly

69.3885, 0.2672, 0.3049



Deuteranomaly

69.1093, 0.2633, 0.2930



Tritanomaly

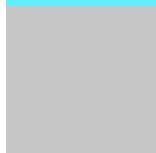
71.5572, 0.2364, 0.3086

Monochromacy



Original Color

71.4944, 0.2332, 0.3096



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

60.2800, 0.2735, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4944, 0.2332, 0.3096 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(97, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 239, 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(97, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 71.4944, 0.2332, 0.3096 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(97, 239, 255) }
```

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

```
.border{ border-color:rgb(97, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4944, 0.2332, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 239, 255) }
```

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

```
.background{ background-color: rgb(97, 239,  
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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