

Converting Colors

$Y_{xy}(72.7980, 0.2227, 0.2780)$

Have a look what the booklet for
Yxy(72.7980, 0.2227, 0.2780)
contains.

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Color

Yxy(70.9105, 0.2329, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	61EEFF
RGB	97, 238, 255
RGB Percent	38%, 93%, 100%
CMY	0.6197, 0.0666, 0.0000
CMYK	0.62, 0.07, 0.00, 0.00
HSL	186°, 100%, 69%
HSV	186°, 62%, 100%
XYZ	53.5508, 70.9105, 105.4690
YIQ	197.7790, -89.4930, -24.6050

Conversions

Conversions Part 2

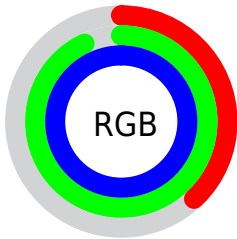
Format	Color
R_{YB}	97, 172, 255
Decimal	6418175
CIE _{Lab}	87.44, -32.90, -19.54
CIE _{LCh}	87, 38.269, 210.704
Yxy	70.9105, 0.2329, 0.3084
Android (android.graphics.Color)	4284608255 (0xFF61EEFF)
YUV	197.7790, 28.2100, -88.3832
Hunter-Lab	84.2084, -33.8509, -15.3135

Details

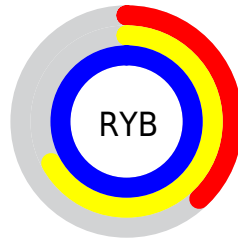
The Yxy color **70.9105, 0.2329, 0.3084** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **34.1476, 0.4999, 0.3455**, and the grayscale version is **56.1937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **68.1465, 0.2256, 0.3046**, and if you desaturate by 10%, it is **74.1540, 0.2421, 0.3121**.

Distribution



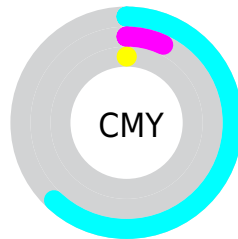
- Red (38%)
- Green (93%)
- Blue (100%)



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



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (62%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9105, 0.2329, 0.3084 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 70.9105, 0.2329, 0.3084 by changing the saturation by 10% instead.

 70.9105, 0.2329,
0.3084

 70.9105, 0.2329,
0.3084

463.7405, 0.2688,
0.3191


 52.2692, 0.2250,
0.3057


 120.5063, 0.2451,
0.3123

 37.2197, 0.2154,
0.3023


 152.2295, 0.2499,
0.3138

 25.3776, 0.2036,
0.2978


 189.0822, 0.2541,
0.3150

 16.3586, 0.1886,
0.2916

231.4486, 0.2578,
0.3161

 9.7783, 0.1692,
0.2827

279.7133, 0.2610,
0.3170

 5.2522, 0.1433,
0.2692

334.2606, 0.2639,

 2.3960, 0.1079,

0.3178

395.4748, 0.2665,
0.3185

0.2469

0.8238, 0.0000,
0.2193

0.0000, 0.0000,
0.0000

70.9105, 0.2329,
0.3084

70.9105, 0.2329,
0.3084

68.1465, 0.2256,
0.3046

74.1540, 0.2421,
0.3121

65.8091, 0.2202,
0.3008

77.9082, 0.2531,
0.3158

63.8466, 0.2168,
0.2971

82.2106, 0.2657,
0.3193

62.4771, 0.2150,
0.2941

87.0929, 0.2795,
0.3226

■ 92.5843, 0.2942,
0.3256

■ 98.7120, 0.3096,
0.3285

■ 99.9998, 0.3127,
0.3290

Harmonies

Analogous

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



70.9105, 0.2572, 0.3542



70.9105, 0.2329, 0.3084



70.9105, 0.2285, 0.2734

Triad

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



70.9105, 0.2329, 0.3084



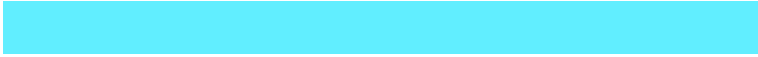
70.9105, 0.3234, 0.2740



70.9105, 0.3828, 0.4040

Complementary

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



70.9105, 0.2329, 0.3084



34.1476, 0.4999, 0.3455

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.



70.9105, 0.4042, 0.3759



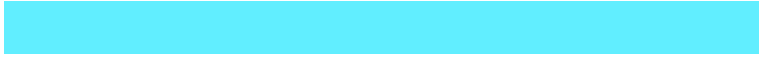
70.9105, 0.2329, 0.3084



70.9105, 0.3691, 0.3033

Square

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



70.9105, 0.2329, 0.3084



70.9105, 0.2779, 0.2570



70.9105, 0.3995, 0.3395



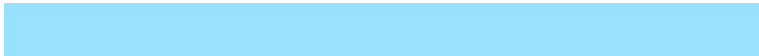
70.9105, 0.3431, 0.4130

Rectangle

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



70.9105, 0.2329, 0.3084



70.9105, 0.2368, 0.2598



70.9105, 0.3995, 0.3395



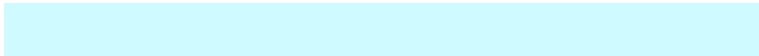
70.9105, 0.3925, 0.3962

Sweetspot

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



70.9132, 0.2329, 0.3084



88.6621, 0.2838, 0.3235



75.2453, 0.2976, 0.5130



18.6543, 0.2797, 0.3226



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.



70.9132, 0.2329, 0.3084



67.6409, 0.2243, 0.3038



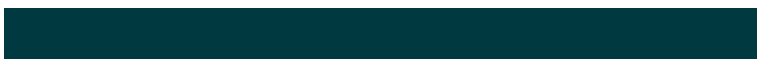
34.9640, 0.2093, 0.2056



20.1281, 0.2980, 0.3264



32.7808, 0.2152, 0.2947



3.2833, 0.2164, 0.2990

Inverse Universe

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



35.9769, 0.3357, 0.1982



31.1731, 0.3408, 0.1827



59.7277, 0.4396, 0.4222



18.2647, 0.3155, 0.3081



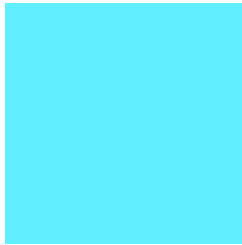
14.0372, 0.3501, 0.1702



1.3760, 0.3463, 0.1681

Previews

White Background



This preview shows how the Yxy color 70.9105, 0.2329, 0.3084 looks on a white background.

Color Contrast Check

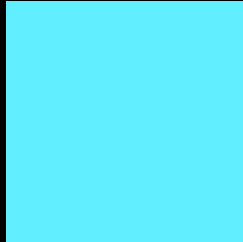
Large Text (above 18pt) WCAG AA × Fail

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 70.9105, 0.2329, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

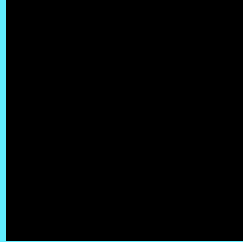
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9105, 0.2329, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 70.9105, 0.2329, 0.3084.

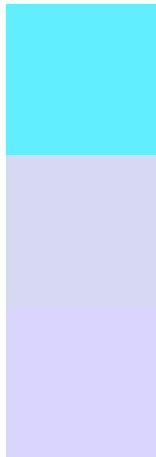


This preview shows how white text looks on a background with the Yxy color 70.9105, 0.2329, 0.3084.

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

70.9105, 0.2329, 0.3084

Protanopia

69.9097, 0.2957, 0.3020

Deuteranopia

69.5602, 0.2884, 0.2847



Tritanopia

71.0396, 0.2364, 0.3074

Trichromacy



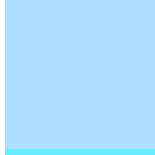
Original Color

70.9105, 0.2329, 0.3084



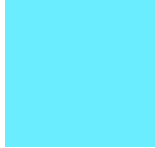
Protanomaly

68.7358, 0.2665, 0.3037



Deuteranomaly

68.3468, 0.2621, 0.2917



Tritanomaly

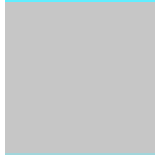
70.7916, 0.2351, 0.3073

Monochromacy



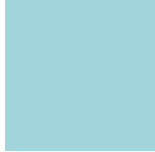
Original Color

70.9105, 0.2329, 0.3084



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 70.9105, 0.2329, 0.3084 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 238, 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, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.9105, 0.2329, 0.3084 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, 238, 255) }
```

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

```
.border{ border-color:rgb(97, 238, 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, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9105, 0.2329, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 238, 255) }
```

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

```
.background{ background-color: rgb(97, 238,  
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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