

Converting Colors

$Yxy(78.5188, 0.1997, 0.2145)$

Have a look what the booklet for
Yxy(78.5188, 0.1997, 0.2145)
contains.

Yxy(70.3475, 0.2299, 0.3082)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.3475, 0.2299, 0.3082)

Conversions

Conversions Part 1

Format	Color
Hex	56EEFF
RGB	86, 238, 255
RGB Percent	34%, 93%, 100%
CMY	0.6620, 0.0667, 0.0000
CMYK	0.66, 0.07, 0.00, 0.00
HSL	186°, 100%, 67%
HSV	186°, 66%, 100%
XYZ	52.4753, 70.3475, 105.4299
YIQ	194.4900, -96.0490, -26.9370

Conversions

Conversions Part 2

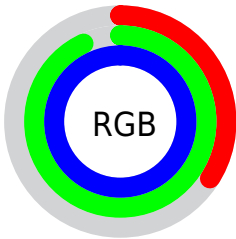
Format	Color
R _Y B	86, 166, 255
Decimal	5697279
CIE Lab	87.17, -34.50, -19.99
CIE LCh	87, 39.876, 210.084
Yxy	70.3475, 0.2299, 0.3082
Android (android.graphics.Color)	4283887359 (0xFF56EEFF)
YUV	194.4900, 29.8314, -95.1457
Hunter-Lab	83.8734, -35.1002, -15.8169




Details

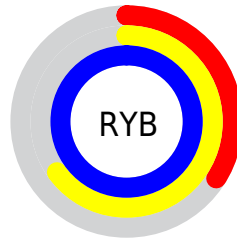
The Yxy color **70.3475, 0.2299, 0.3082** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **31.6732, 0.5201, 0.3446**, and the grayscale version is **54.1454, 0.3127, 0.3290**.




A 20% lighter version of the original color is **85.6100, 0.2579, 0.3288**, and **37.5331, 0.2176, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **67.8588, 0.2235, 0.3047**, and if you desaturate by 10%, it is **73.2930, 0.2383, 0.3117**.

Distribution







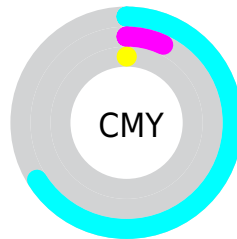
-  Red (34%)
-  Green (93%)
-  Blue (100%)






-  Red (34%)
-  Yellow (65%)
-  Blue (100%)



-  Cyan (66%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (0%)




-  Cyan (66%)
-  Magenta (7%)
-  Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.3475, 0.2299, 0.3082 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 70.3475, 0.2299, 0.3082 by changing the saturation by 10% instead.

 70.3475, 0.2299,
0.3082


 70.3475, 0.2299,
0.3082


461.7692, 0.2671,
0.3191


 51.8099, 0.2217,
0.3054

 119.7042, 0.2426,
0.3122


 36.8536, 0.2118,
0.3019


 151.2920, 0.2476,
0.3137

 25.0941, 0.1996,
0.2973


 187.9988, 0.2519,
0.3149

 16.1472, 0.1841,
0.2909

 230.2087, 0.2557,
0.3160

 9.6284, 0.1641,
0.2817

278.3064, 0.2590,
0.3169

 5.1533, 0.1375,
0.2676


332.6761, 0.2620,

 2.3375, 0.1014,

0.3177

0.2444

393.7022, 0.2647,
0.3185

 0.7934, 0.0000,
0.2131

 0.0000, 0.0000,
0.0000


 70.3475, 0.2299,
0.3082


 70.3475, 0.2299,
0.3082


 67.8588, 0.2235,
0.3047


 73.2930, 0.2383,
0.3117


 65.7730, 0.2191,
0.3012

 76.7311, 0.2485,
0.3152

 64.0319, 0.2164,
0.2977

 80.7001, 0.2603,
0.3185

 63.4273, 0.2157,
0.2964

 85.2330, 0.2736,
0.3217

■ 90.3600, 0.2879,
0.3247

■ 96.1090, 0.3031,
0.3274

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.



70.3475, 0.2554, 0.3563



70.3475, 0.2299, 0.3082



70.3475, 0.2249, 0.2715

Triad

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



70.3475, 0.2299, 0.3082



70.3475, 0.3228, 0.2713



70.3475, 0.3864, 0.4067

Complementary

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



70.3475, 0.2299, 0.3082



31.6732, 0.5201, 0.3446

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.



70.3475, 0.4085, 0.3769



70.3475, 0.2299, 0.3082



70.3475, 0.3707, 0.3014

Square

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



70.3475, 0.2299, 0.3082



70.3475, 0.2754, 0.2539



70.3475, 0.4031, 0.3389



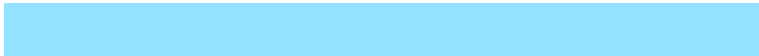
70.3475, 0.3453, 0.4170

Rectangle

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



70.3475, 0.2299, 0.3082



70.3475, 0.2333, 0.2572



70.3475, 0.4031, 0.3389



70.3475, 0.3965, 0.3984

Sweetspot

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



70.3493, 0.2299, 0.3082



88.3422, 0.2824, 0.3236



74.4874, 0.2972, 0.5262



18.6012, 0.2783, 0.3227



0.0000, 0.0000, 0.0000



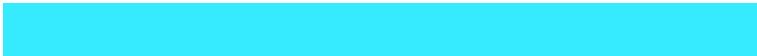
21.4041, 0.3127, 0.3290

Same Dimension

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



70.3493, 0.2299, 0.3082



67.2372, 0.2221, 0.3037



32.2217, 0.2029, 0.1956



20.1501, 0.2980, 0.3265



33.2694, 0.2158, 0.2970



3.3259, 0.2169, 0.3009

Inverse Universe

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



34.1166, 0.3363, 0.1912



29.8375, 0.3413, 0.1772



57.6759, 0.4495, 0.4265



18.2670, 0.3154, 0.3079



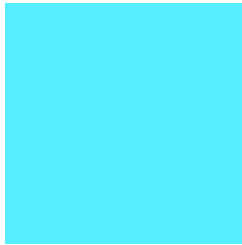
14.0865, 0.3481, 0.1691



1.3803, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 70.3475, 0.2299, 0.3082 looks on a white background.

Color Contrast Check

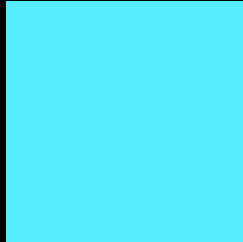
Large Text (above 18pt) WCAG AA × Fail

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 70.3475, 0.2299, 0.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

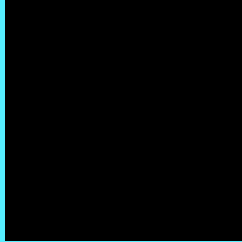
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.3475, 0.2299, 0.3082

Background



This preview shows how black text looks on a background with the Yxy color 70.3475, 0.2299, 0.3082.

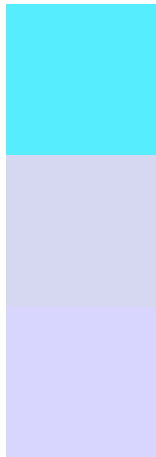


This preview shows how white text looks on a background with the Yxy color 70.3475, 0.2299, 0.3082.

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

70.3475, 0.2299, 0.3082

Protanopia

69.1883, 0.2957, 0.3019

Deuteranopia

69.4074, 0.2877, 0.2846



Tritanopia

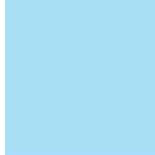
70.4977, 0.2335, 0.3072

Trichromacy



Original Color

70.3475, 0.2299, 0.3082



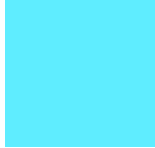
Protanomaly

67.6928, 0.2646, 0.3035



Deuteranomaly

67.8976, 0.2599, 0.2915



Tritanomaly

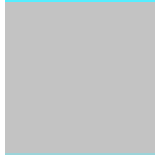
70.2213, 0.2320, 0.3071

Monochromacy



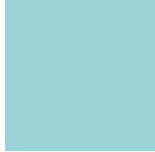
Original Color

70.3475, 0.2299, 0.3082



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

58.5668, 0.2707, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.3475, 0.2299, 0.3082 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(86, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 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(86, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 238, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.3475, 0.2299, 0.3082 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(86, 238, 255) }
```

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

```
.border{ border-color:rgb(86, 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(86, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 238,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.3475, 0.2299, 0.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 238, 255) }
```

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

```
.background{ background-color: rgb(86, 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](#).

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