

Converting Colors

$Y_{xy}(72.6891, 0.2355, 0.2813)$

Have a look what the booklet for
Yxy(72.6891, 0.2355, 0.2813)
contains.

Yxy(70.9712, 0.2443, 0.3043)	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(70.9712, 0.2443, 0.3043)

Conversions

Conversions Part 1

Format	Color
Hex	84EAFF
RGB	132, 234, 255
RGB Percent	52%, 92%, 100%
CMY	0.4826, 0.0823, 0.0001
CMYK	0.48, 0.08, 0.00, 0.00
HSL	190°, 100%, 76%
HSV	190°, 48%, 100%
XYZ	56.9775, 70.9712, 105.2790
YIQ	205.8960, -67.5330, -15.0930

Conversions

Conversions Part 2

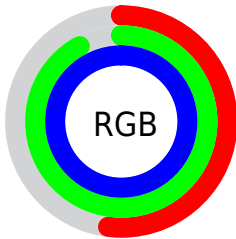
Format	Color
R _Y B	132, 188, 255
Decimal	8710911
CIE Lab	87.47, -24.40, -19.37
CIE LCh	87, 31.157, 218.440
Yxy	70.9712, 0.2443, 0.3043
Android (android.graphics.Color)	4286900991 (0xFF84EAFB)
YUV	205.8960, 24.2083, -64.8068
Hunter-Lab	84.2444, -26.7017, -15.1228

Details

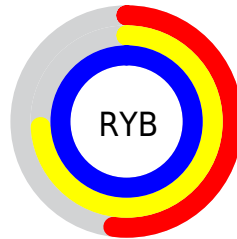
The Yxy color **70.9712, 0.2443, 0.3043** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.6687, 0.4364, 0.3511**, and the grayscale version is **61.5184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **37.2201, 0.2292, 0.2979** is the 20% darker color. If you saturate the color by 10%, you get **66.7215, 0.2336, 0.2983**, and if you desaturate by 10%, it is **75.7891, 0.2566, 0.3101**.

Distribution



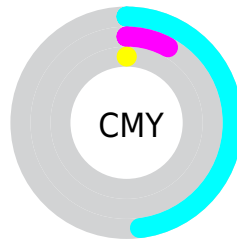
- Red (52%)
- Green (92%)
- Blue (100%)



- Red (52%)
- Yellow (74%)
- Blue (100%)



- Cyan (48%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.9712, 0.2443, 0.3043 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 70.9712, 0.2443, 0.3043 by changing the saturation by 10% instead.

 70.9712, 0.2443,
0.3043


 70.9712, 0.2443,
0.3043

463.9528, 0.2752,
0.3165


 52.3187, 0.2375,
0.3013


 120.5927, 0.2549,
0.3087

 37.2592, 0.2291,
0.2976


 152.3305, 0.2590,
0.3104

 25.4082, 0.2188,
0.2928


 189.1989, 0.2626,
0.3118

 16.3815, 0.2056,
0.2862

231.5822, 0.2658,
0.3130

 9.7945, 0.1883,
0.2771

279.8648, 0.2685,
0.3141

 5.2629, 0.1648,
0.2635

334.4312, 0.2710,

 2.4023, 0.1317,

0.3150

0.2416

395.6657, 0.2732,
0.3158

■ 0.8271, 0.0484,
0.2103

■ 0.0000, 0.0000,
0.0000

■ 70.9712, 0.2443,
0.3043

■ 70.9712, 0.2443,
0.3043

■ 66.7215, 0.2336,
0.2983

■ 75.7891, 0.2566,
0.3101

■ 62.9942, 0.2247,
0.2921

■ 81.2009, 0.2702,
0.3156

■ 59.7491, 0.2177,
0.2859

■ 87.2405, 0.2847,
0.3207

■ 56.9357, 0.2128,
0.2797

■ 93.9365, 0.2999,
0.3254

■ 54.4843, 0.2095,
0.2736

99.9982, 0.3127,
0.3290

■ 54.0762, 0.2091,
0.2726

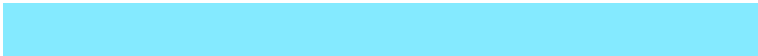
Harmonies

Analogous

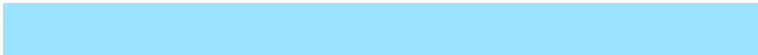
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.9712, 0.2607, 0.3400



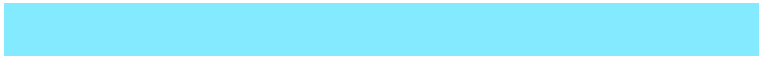
70.9712, 0.2443, 0.3043



70.9712, 0.2449, 0.2786

Triad

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



70.9712, 0.2443, 0.3043



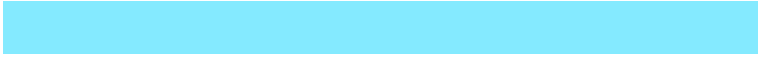
70.9712, 0.3318, 0.2890



70.9712, 0.3631, 0.3940

Complementary

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



70.9712, 0.2443, 0.3043



45.6687, 0.4364, 0.3511

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.



70.9712, 0.3848, 0.3752



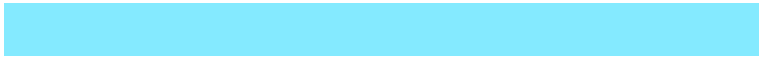
70.9712, 0.2443, 0.3043



70.9712, 0.3665, 0.3156

Square

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



70.9712, 0.2443, 0.3043



70.9712, 0.2935, 0.2718



70.9712, 0.3864, 0.3464



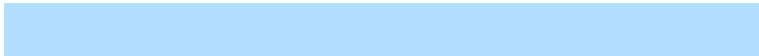
70.9712, 0.3285, 0.3949

Rectangle

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



70.9712, 0.2443, 0.3043



70.9712, 0.2548, 0.2696



70.9712, 0.3864, 0.3464



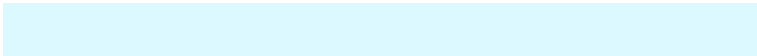
70.9712, 0.3722, 0.3894

Sweetspot

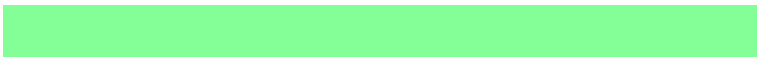
The Sweet Spot groups the original color and five complimentary colors.



70.9739, 0.2443, 0.3043



90.0279, 0.2911, 0.3228



78.6851, 0.2962, 0.4573



18.9660, 0.2879, 0.3217



0.0000, 0.0000, 0.0000



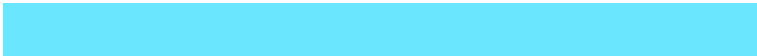
21.4041, 0.3127, 0.3290

Same Dimension

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



70.9739, 0.2443, 0.3043



66.8384, 0.2338, 0.2984



41.9882, 0.2298, 0.2271



19.9238, 0.2980, 0.3248



28.4566, 0.2093, 0.2736



2.9036, 0.2113, 0.2806

Inverse Universe

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



43.6833, 0.3370, 0.2288



37.4986, 0.3433, 0.2118



70.9934, 0.4030, 0.4121



18.2441, 0.3164, 0.3095



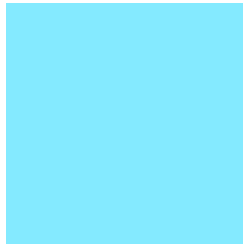
13.6007, 0.3694, 0.1809



1.3377, 0.3629, 0.1773

Previews

White Background



This preview shows how the Yxy color 70.9712, 0.2443, 0.3043 looks on a white background.

Color Contrast Check

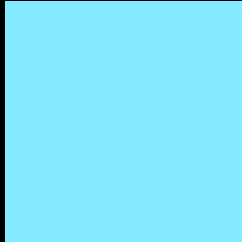
Large Text (above 18pt) WCAG AA × Fail

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 70.9712, 0.2443, 0.3043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

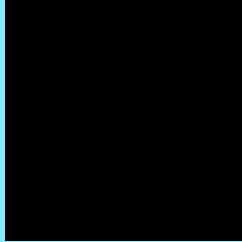
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9712, 0.2443, 0.3043

Background



This preview shows how black text looks on a background with the Yxy color 70.9712, 0.2443, 0.3043.

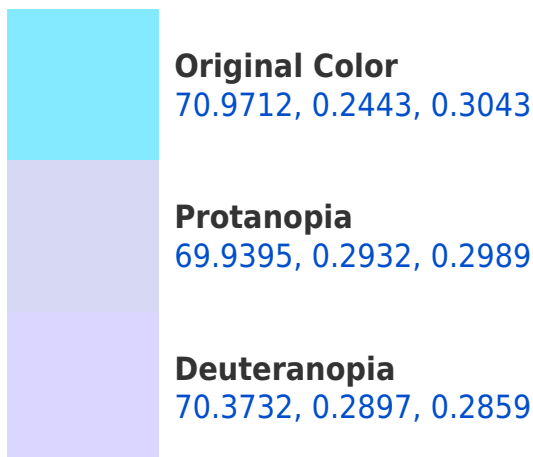


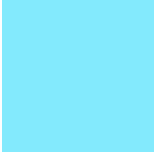
This preview shows how white text looks on a background with the Yxy color 70.9712, 0.2443, 0.3043.

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





Tritanopia

70.7628, 0.2448, 0.3065

Trichromacy



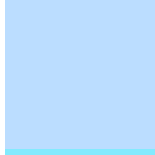
Original Color

70.9712, 0.2443, 0.3043



Protanomaly

69.7430, 0.2722, 0.3009



Deuteranomaly

69.4977, 0.2700, 0.2914



Tritanomaly

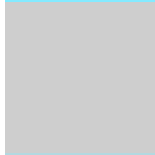
70.8267, 0.2443, 0.3054

Monochromacy



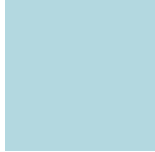
Original Color

70.9712, 0.2443, 0.3043



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.0773, 0.2822, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9712, 0.2443, 0.3043 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(132, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 234, 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(132, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.9712, 0.2443, 0.3043 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(132, 234, 255) }
```

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

```
.border{ border-color:rgb(132, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9712, 0.2443, 0.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 234, 255) }
```

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

```
.background{ background-color: rgb(132,  
234, 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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