

Converting Colors

$Yxy(70.6017, 0.2606, 0.3085)$

Have a look what the booklet for
Yxy(70.6017, 0.2606, 0.3085)
contains.

Yxy(70.8861, 0.2608, 0.3093)	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(70.8861, 0.2608, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	A1E6F7
RGB	161, 230, 247
RGB Percent	63%, 90%, 97%
CMY	0.3689, 0.0980, 0.0314
CMYK	0.35, 0.07, 0.00, 0.03
HSL	192°, 84%, 80%
HSV	192°, 35%, 97%
XYZ	59.7708, 70.8861, 98.5255
YIQ	211.3070, -46.5810, -9.3410

Conversions

Conversions Part 2

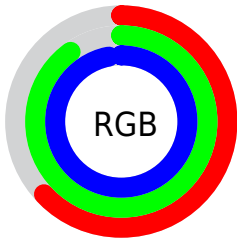
Format	Color
R _Y B	161, 199, 247
Decimal	10610423
CIE _{Lab}	87.43, -17.45, -15.12
CIE _{LCh}	87, 23.086, 220.912
Y _{xy}	70.8861, 0.2608, 0.3093
Android (android.graphics.Color)	4288800503 (0xFFA1E6F7)
YUV	211.3070, 17.5966, -44.1192
Hunter-Lab	84.1939, -20.6189, -10.4467

Details

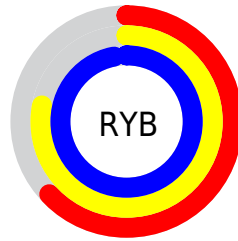
The Yxy color **70.8861, 0.2608, 0.3093** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.1460, 0.3896, 0.3476**, and the grayscale version is **65.2505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6454, 0.2906, 0.3289**, and **37.0979, 0.2490, 0.3030** is the 20% darker color. If you saturate the color by 10%, you get **65.8984, 0.2478, 0.3027**, and if you desaturate by 10%, it is **76.4619, 0.2749, 0.3155**.

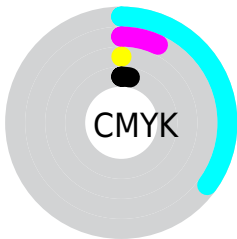
Distribution



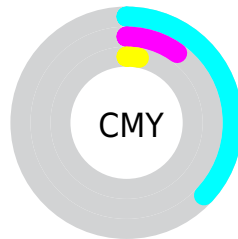
- Red (63%)
- Green (90%)
- Blue (97%)



- Red (63%)
- Yellow (78%)
- Blue (97%)



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (3%)




- Cyan (37%)
- Magenta (10%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.8861, 0.2608, 0.3093 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 70.8861, 0.2608, 0.3093 by changing the saturation by 10% instead.


 70.8861, 0.2608,
0.3093


 70.8861, 0.2608,
0.3093


463.6552, 0.2845,
0.3189

 52.2493, 0.2555,
0.3070

 120.4715, 0.2689,
0.3127

 37.2038, 0.2490,
0.3041


 152.1889, 0.2721,
0.3140

 25.3653, 0.2408,
0.3004


189.0352, 0.2749,
0.3151

 16.3494, 0.2304,
0.2954

231.3949, 0.2773,
0.3161

 9.7718, 0.2164,
0.2883

279.6524, 0.2794,
0.3169

 5.2479, 0.1969,
0.2778

334.1920, 0.2813,

 2.3934, 0.1683,

0.3177

0.2607

395.3981, 0.2830,
0.3183

0.8225, 0.1015,
0.2345

0.0000, 0.0000,
0.0000

70.8861, 0.2608,
0.3093

70.8861, 0.2608,
0.3093

65.8984, 0.2478,
0.3027

76.4619, 0.2749,
0.3155

61.4598, 0.2362,
0.2958

82.6456, 0.2898,
0.3213

57.5394, 0.2262,
0.2886

89.4662, 0.3052,
0.3266

54.0992, 0.2182,
0.2813

96.0414, 0.3177,
0.3314

■ 51.0949, 0.2122,
0.2741

■ 99.1007, 0.3174,
0.3361

■ 48.4726, 0.2081,
0.2669

■ 99.4953, 0.3173,
0.3367

■ 47.2301, 0.2065,
0.2632

Harmonies

Analogous

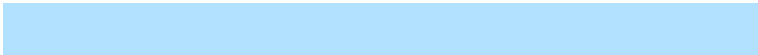
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.8861, 0.2724, 0.3352



70.8861, 0.2608, 0.3093



70.8861, 0.2623, 0.2905

Triad

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



70.8861, 0.2608, 0.3093



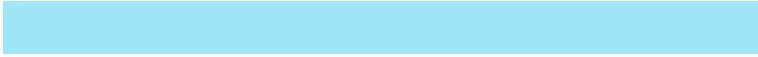
70.8861, 0.3294, 0.3003



70.8861, 0.3486, 0.3778

Complementary

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



70.8861, 0.2608, 0.3093



54.1460, 0.3896, 0.3476

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.



70.8861, 0.3654, 0.3655



70.8861, 0.2608, 0.3093



70.8861, 0.3542, 0.3212

Square

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



70.8861, 0.2608, 0.3093



70.8861, 0.3009, 0.2864



70.8861, 0.3676, 0.3447



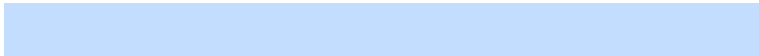
70.8861, 0.3226, 0.3764

Rectangle

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



70.8861, 0.2608, 0.3093



70.8861, 0.2706, 0.2840



70.8861, 0.3676, 0.3447



70.8861, 0.3556, 0.3750

Sweetspot

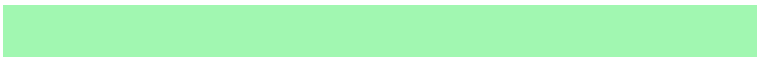
The Sweet Spot groups the original color and five complimentary colors.



70.8889, 0.2608, 0.3093



92.3129, 0.2972, 0.3239



77.2522, 0.2994, 0.4142



19.5397, 0.2951, 0.3232



0.0000, 0.0000, 0.0000



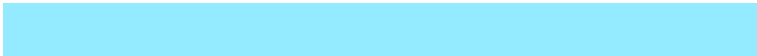
21.4041, 0.3127, 0.3290

Same Dimension

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



70.8889, 0.2608, 0.3093



72.2804, 0.2513, 0.3046



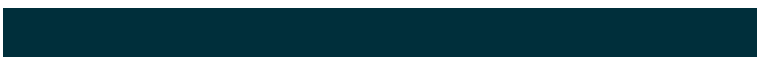
50.3277, 0.2539, 0.2582



18.1698, 0.2980, 0.3242



25.1830, 0.2068, 0.2644



2.3517, 0.2093, 0.2734

Inverse Universe

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



50.9509, 0.3309, 0.2579



48.3417, 0.3357, 0.2435



73.3950, 0.3743, 0.3907



16.7090, 0.3168, 0.3102



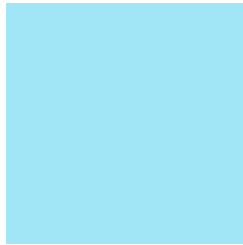
12.6416, 0.3781, 0.1857



1.1250, 0.3696, 0.1810

Previews

White Background



This preview shows how the Yxy color 70.8861, 0.2608, 0.3093 looks on a white background.

Color Contrast Check

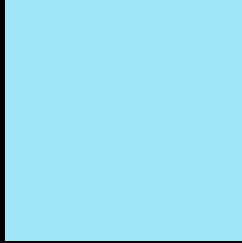
Large Text (above 18pt) WCAG AA × Fail

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 70.8861, 0.2608, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

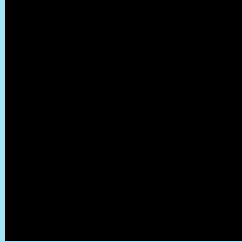
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.8861, 0.2608, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 70.8861, 0.2608, 0.3093.

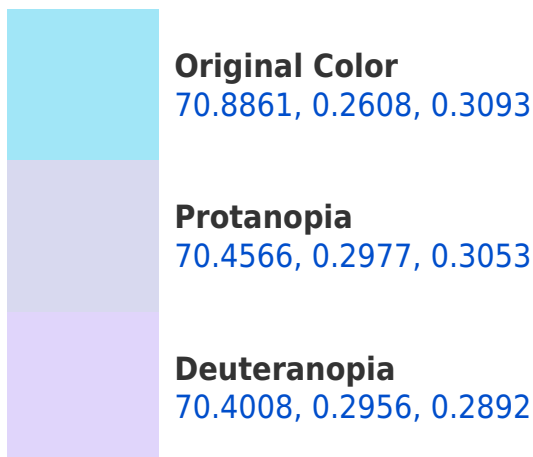


This preview shows how white text looks on a background with the Yxy color 70.8861, 0.2608, 0.3093.

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

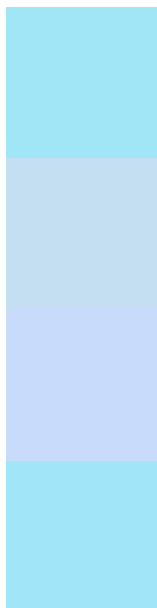




Tritanopia

70.9480, 0.2603, 0.3082

Trichromacy



Original Color

70.8861, 0.2608, 0.3093

Protanomaly

70.3891, 0.2829, 0.3067

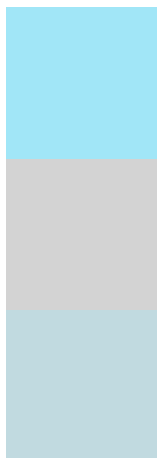
Deuteranomaly

69.9827, 0.2812, 0.2952

Tritanomaly

70.9480, 0.2603, 0.3082

Monochromacy



Original Color

70.8861, 0.2608, 0.3093

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.8621, 0.2915, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.8861, 0.2608, 0.3093 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(161, 230, 247)` looks like.

```
.text, #text, p{  
    color:rgb(161, 230, 247)  
}
```

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(161, 230, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 230, 247) }
```

Border

The CSS property to change the border of an element to Yxy 70.8861, 0.2608, 0.3093 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(161, 230, 247) }
```

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

```
.border{ border-color:rgb(161, 230, 247) }
```

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

Here you see how a box with a 4 pixel rgb(161, 230, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 230, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 230, 247);  
box-shadow:4px 4px 4px 4px rgb(161, 230,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 70.8861, 0.2608, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 230, 247) }
```

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

```
.background{ background-color: rgb(161,  
230, 247) }
```

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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