

Converting Colors

$Yxy(71.9639, 0.2692, 0.3230)$

Have a look what the booklet for
Yxy(71.9639, 0.2692, 0.3230)
contains.

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Color

Yxy(72.0431, 0.2694, 0.3231)

Conversions

Conversions Part 1

Format	Color
Hex	A7E8ED
RGB	167, 232, 237
RGB Percent	65%, 91%, 93%
CMY	0.3453, 0.0901, 0.0706
CMYK	0.30, 0.02, 0.00, 0.07
HSL	184°, 66%, 79%
HSV	184°, 30%, 93%
XYZ	60.0694, 72.0431, 90.8622
YIQ	213.1350, -40.3450, -12.2250

Conversions

Conversions Part 2

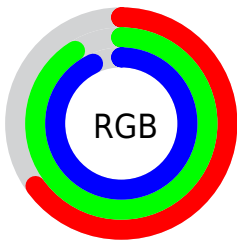
Format	Color
R _{YB}	167, 201, 237
Decimal	11004141
CIE _{Lab}	87.99, -19.15, -9.00
CIE _{LCh}	88, 21.158, 205.182
Y _{xy}	72.0431, 0.2694, 0.3231
Android (android.graphics.Color)	4289194221 (0xFFA7E8ED)
YUV	213.1350, 11.7654, -40.4604
Hunter-Lab	84.8782, -22.2102, -4.0552

Details

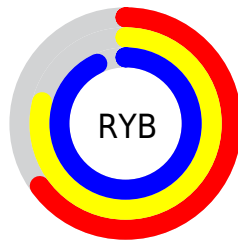
The Yxy color **72.0431, 0.2694, 0.3231** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.2705, 0.3772, 0.3348**, and the grayscale version is **66.5683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **37.8316, 0.2593, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **68.7527, 0.2569, 0.3208**, and if you desaturate by 10%, it is **75.8213, 0.2832, 0.3252**.

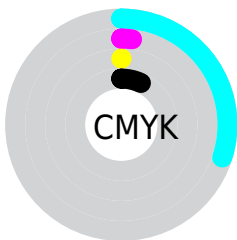
Distribution



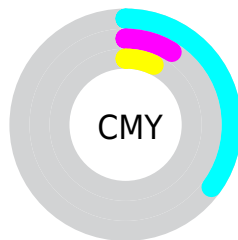
- Red (65%)
- Green (91%)
- Blue (93%)



- Red (65%)
- Yellow (79%)
- Blue (93%)



- Cyan (30%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)




- Cyan (35%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.0431, 0.2694, 0.3231 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 72.0431, 0.2694, 0.3231 by changing the saturation by 10% instead.

 72.0431, 0.2694,
0.3231


 72.0431, 0.2694,
0.3231


467.6916, 0.2892,
0.3262

 53.1939, 0.2649,
0.3223


 122.1178, 0.2762,
0.3242

 37.9576, 0.2595,
0.3213


 154.1121, 0.2789,
0.3247

 25.9498, 0.2526,
0.3200

191.2568, 0.2812,
0.3250

 16.7861, 0.2436,
0.3181

233.9365, 0.2832,
0.3253

 10.0821, 0.2317,
0.3154

282.5354, 0.2850,
0.3256

 5.4534, 0.2148,
0.3110

337.4379, 0.2865,

 2.5157, 0.1894,

0.3258

399.0285, 0.2880,
0.3260

0.3034

0.8845, 0.1246,
0.2952

0.0000, 0.0000,
0.0000

72.0431, 0.2694,
0.3231

72.0431, 0.2694,
0.3231

68.7527, 0.2569,
0.3208

75.8213, 0.2832,
0.3252

65.9156, 0.2459,
0.3185


80.1026, 0.2980,
0.3272

63.5062, 0.2366,
0.3161

84.9123, 0.3134,
0.3291

61.4930, 0.2293,
0.3136


88.9700, 0.3246,
0.3308

 59.8399, 0.2240,
0.3112

 89.9612, 0.3245,
0.3324

 58.5040, 0.2205,
0.3087


 90.9617, 0.3243,
0.3340

 57.4162, 0.2185,
0.3064

 91.9714, 0.3242,
0.3357

 57.3707, 0.2184,
0.3063

 92.9904, 0.3240,
0.3373

 94.0188, 0.3239,
0.3389

Harmonies

Analogous

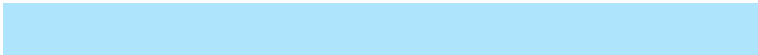
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.0431, 0.2857, 0.3473



72.0431, 0.2694, 0.3231



72.0431, 0.2643, 0.3019

Triad

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



72.0431, 0.2694, 0.3231



72.0431, 0.3143, 0.2950



72.0431, 0.3549, 0.3690

Complementary

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



72.0431, 0.2694, 0.3231



50.2705, 0.3772, 0.3348

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.



72.0431, 0.3636, 0.3532



72.0431, 0.2694, 0.3231



72.0431, 0.3396, 0.3113

Square

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



72.0431, 0.2694, 0.3231



72.0431, 0.2895, 0.2869



72.0431, 0.3579, 0.3322



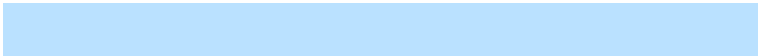
72.0431, 0.3349, 0.3745

Rectangle

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



72.0431, 0.2694, 0.3231



72.0431, 0.2678, 0.2922



72.0431, 0.3579, 0.3322



72.0431, 0.3593, 0.3646

Sweetspot

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



72.0460, 0.2694, 0.3231



94.8662, 0.2988, 0.3273



71.7431, 0.3060, 0.4095



20.1380, 0.2966, 0.3271



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

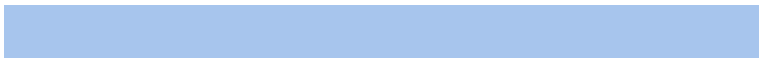
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0460, 0.2694, 0.3231



82.8332, 0.2622, 0.3219



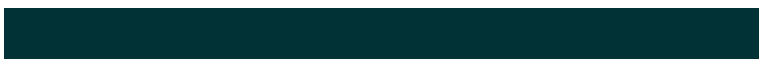
54.3930, 0.2648, 0.2810



16.9276, 0.2981, 0.3273



31.4033, 0.2185, 0.3067



2.5210, 0.2194, 0.3100

Inverse Universe

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



51.4478, 0.3202, 0.2602



55.2592, 0.3218, 0.2474



65.2458, 0.3662, 0.3726



15.2942, 0.3149, 0.3074



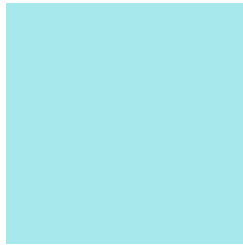
12.6630, 0.3396, 0.1644



0.9999, 0.3367, 0.1629

Previews

White Background



This preview shows how the Yxy color 72.0431, 0.2694, 0.3231 looks on a white background.

Color Contrast Check

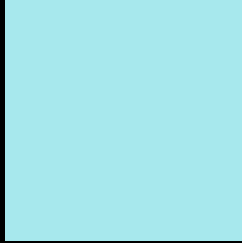
Large Text (above 18pt) WCAG AA × Fail

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 72.0431, 0.2694, 0.3231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

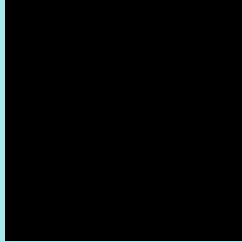
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.0431, 0.2694, 0.3231

Background



This preview shows how black text looks on a background with the Yxy color 72.0431, 0.2694, 0.3231.

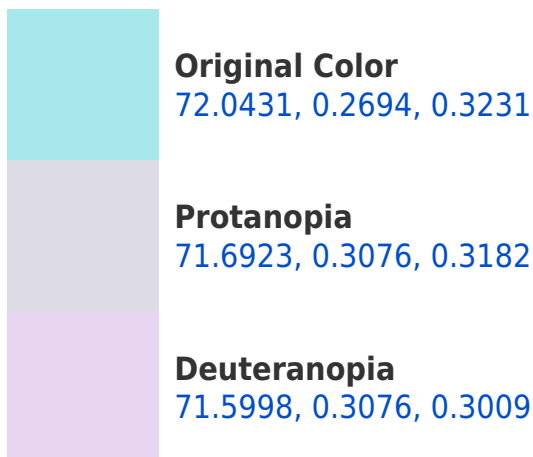


This preview shows how white text looks on a background with the Yxy color 72.0431, 0.2694, 0.3231.

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

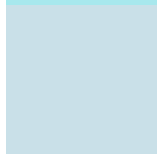
71.9792, 0.2646, 0.3073

Trichromacy



Original Color

72.0431, 0.2694, 0.3231



Protanomaly

71.5550, 0.2921, 0.3200



Deuteranomaly

71.4141, 0.2918, 0.3083



Tritanomaly

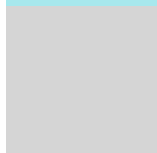
72.1794, 0.2663, 0.3129

Monochromacy



Original Color

72.0431, 0.2694, 0.3231



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.1961, 0.2948, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0431, 0.2694, 0.3231 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(167, 232, 237)` looks like.

```
.text, #text, p{  
    color:rgb(167, 232, 237)  
}
```

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(167, 232, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 232, 237) }
```

Border

The CSS property to change the border of an element to Yxy 72.0431, 0.2694, 0.3231 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(167, 232, 237) }
```

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

```
.border{ border-color:rgb(167, 232, 237) }
```

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

Here you see how a box with a 4 pixel rgb(167, 232, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 232, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 232, 237);  
box-shadow:4px 4px 4px 4px rgb(167, 232,  
237) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.0431, 0.2694, 0.3231$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 232, 237) }
```

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

```
.background{ background-color: rgb(167,  
232, 237) }
```

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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