

# Converting Colors

$Yxy(72.4349, 0.2702, 0.3234)$

Have a look what the booklet for  
Yxy(72.4349, 0.2702, 0.3234)  
contains.

<b>Yxy(72.1525, 0.2700, 0.3231)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(72.1525, 0.2700, 0.3231)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8E8ED
RGB	168, 232, 237
RGB Percent	66%, 91%, 93%
CMY	0.3411, 0.0902, 0.0706
CMYK	0.29, 0.02, 0.00, 0.07
HSL	184°, 66%, 79%
HSV	184°, 29%, 93%
XYZ	60.2946, 72.1525, 90.8661
YIQ	213.4340, -39.7490, -12.0130

# Conversions

## Conversions Part 2

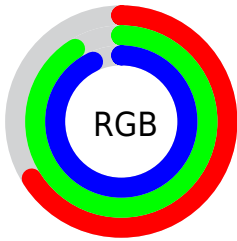
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	168, 201, 237
Decimal	11069677
CIE Lab	88.04, -18.84, -8.91
CIE LCh	88, 20.841, 205.325
Yxy	72.1525, 0.2700, 0.3231
Android (android.graphics.Color)	4289259757 (0xFFA8E8ED)
YUV	213.4340, 11.6180, -39.8456
Hunter-Lab	84.9426, -21.9455, -3.9648

# Details

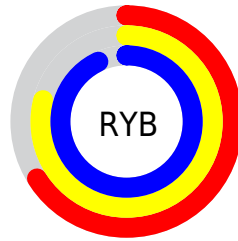
The Yxy color **72.1525, 0.2700, 0.3231** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.7290, 0.3758, 0.3348**, and the grayscale version is **66.7909, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **37.8976, 0.2600, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **68.8244, 0.2574, 0.3208**, and if you desaturate by 10%, it is **75.9699, 0.2839, 0.3253**.

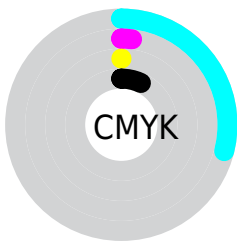
# Distribution



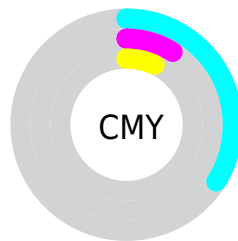
- Red (66%)
- Green (91%)
- Blue (93%)



- Red (66%)
- Yellow (79%)
- Blue (93%)



- Cyan (29%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)




- Cyan (34%)
- Magenta (9%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.1525, 0.2700, 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 72.1525, 0.2700, 0.3231 by changing the saturation by 10% instead.




 72.1525, 0.2700,  
0.3231


 72.1525, 0.2700,  
0.3231


 468.0722, 0.2895,  
0.3262

 53.2833, 0.2656,  
0.3223


 122.2733, 0.2767,  
0.3242


 38.0289, 0.2602,  
0.3213


 154.2937, 0.2794,  
0.3246

 26.0052, 0.2534,  
0.3200


 191.4666, 0.2816,  
0.3250


 16.8275, 0.2446,  
0.3181

 234.1763, 0.2836,  
0.3253

 10.1116, 0.2328,  
0.3154

 282.8074, 0.2854,  
0.3256

 5.4730, 0.2162,  
0.3112

 337.7441, 0.2869,

 2.5274, 0.1911,

0.3258

0.3036

399.3709, 0.2883,  
0.3260

0.8903, 0.1281,  
0.2952

0.0000, 0.0000,  
0.0000

72.1525, 0.2700,  
0.3231

72.1525, 0.2700,  
0.3231

68.8244, 0.2574,  
0.3208

75.9699, 0.2839,  
0.3253

65.9510, 0.2463,  
0.3184

80.2917, 0.2987,  
0.3273

63.5072, 0.2370,  
0.3159


85.1432, 0.3141,  
0.3292


61.4613, 0.2296,  
0.3134


89.0302, 0.3246,  
0.3309

 59.7776, 0.2241,  
0.3110


 90.0397, 0.3245,  
0.3325


 58.4136, 0.2205,  
0.3085


 91.0588, 0.3243,  
0.3342

 57.3040, 0.2185,  
0.3061

 92.0874, 0.3242,  
0.3359

 57.2093, 0.2183,  
0.3058

 93.1258, 0.3240,  
0.3375

 94.1737, 0.3239,  
0.3392

# Harmonies

## Analogous

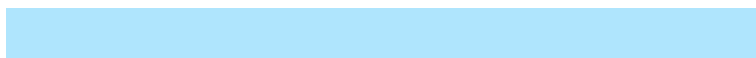
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.1525, 0.2860, 0.3469



72.1525, 0.2700, 0.3231



72.1525, 0.2651, 0.3022

# Triad

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



72.1525, 0.2700, 0.3231



72.1525, 0.3144, 0.2956



72.1525, 0.3542, 0.3685

# Complementary

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



72.1525, 0.2700, 0.3231



50.7290, 0.3758, 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.



72.1525, 0.3628, 0.3529



72.1525, 0.2700, 0.3231



72.1525, 0.3393, 0.3116

# Square

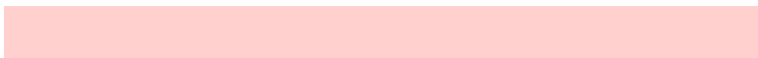
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1525, 0.2700, 0.3231



72.1525, 0.2900, 0.2876



72.1525, 0.3573, 0.3323



72.1525, 0.3345, 0.3738

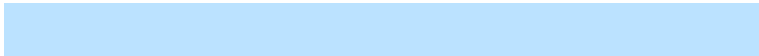


# Rectangle

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



72.1525, 0.2700, 0.3231



72.1525, 0.2685, 0.2927



72.1525, 0.3573, 0.3323



72.1525, 0.3585, 0.3642

# Sweetspot

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



72.1554, 0.2700, 0.3231



94.8478, 0.2988, 0.3273



71.8972, 0.3061, 0.4080



20.1334, 0.2966, 0.3270



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.



72.1554, 0.2700, 0.3231



82.7634, 0.2622, 0.3217



54.7914, 0.2655, 0.2819



16.9241, 0.2981, 0.3272



31.3186, 0.2184, 0.3062



2.5152, 0.2193, 0.3096



# Inverse Universe

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



51.8459, 0.3201, 0.2614



55.2521, 0.3219, 0.2475



65.5114, 0.3652, 0.3719



15.2938, 0.3149, 0.3074



12.6544, 0.3400, 0.1646

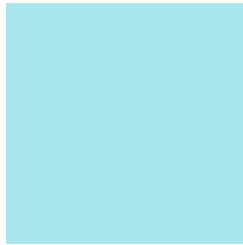


0.9993, 0.3370, 0.1630



# Previews

## White Background



This preview shows how the Yxy color 72.1525, 0.2700, 0.3231 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

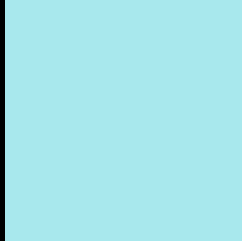
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 72.1525, 0.2700, 0.3231 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

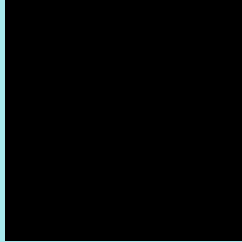
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 72.1525, 0.2700, 0.3231**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.1525, 0.2700, 0.3231.

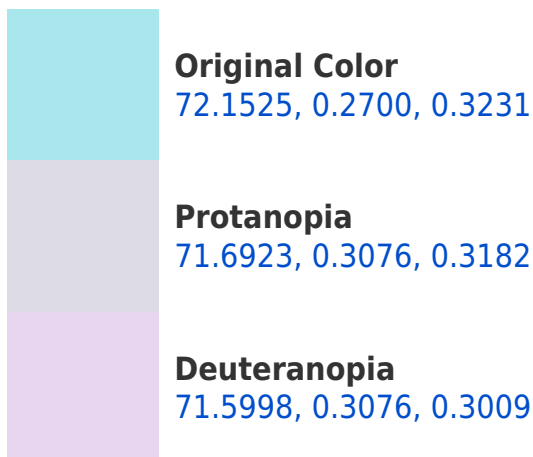


This preview shows how white text looks on a background with the Yxy color 72.1525, 0.2700, 0.3231.

# 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

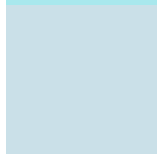
72.0911, 0.2652, 0.3074

# Trichromacy



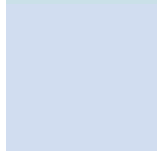
## Original Color

72.1525, 0.2700, 0.3231



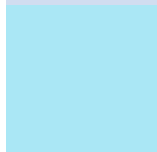
## Protanomaly

71.6941, 0.2928, 0.3201



## Deuteranomaly

71.5595, 0.2924, 0.3083



## Tritanomaly

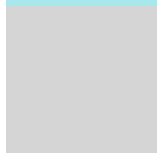
72.2904, 0.2668, 0.3129

# Monochromacy



## Original Color

72.1525, 0.2700, 0.3231



## Achromatopsia

66.5387, 0.3127, 0.3290



## Achromatomaly

68.3306, 0.2955, 0.3267

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.1525, 0.2700, 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(168, 232, 237)` looks like.

```
.text, #text, p{  
    color:rgb(168, 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(168, 232, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 232, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 72.1525, 0.2700, 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(168, 232, 237) }
```

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

```
.border{ border-color:rgb(168, 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(168, 232, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 232, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 232, 237);  
box-shadow:4px 4px 4px 4px rgb(168, 232,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.1525, 0.2700, 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(168, 232, 237) }
```

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

```
.background{ background-color: rgb(168,  
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](#).

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