

Converting Colors

$Yxy(71.4574, 0.2655, 0.3151)$

Have a look what the booklet for
Yxy(71.4574, 0.2655, 0.3151)
contains.

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Color

Yxy(71.6222, 0.2651, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	A5E7F3
RGB	165, 231, 243
RGB Percent	65%, 91%, 95%
CMY	0.3532, 0.0940, 0.0472
CMYK	0.32, 0.05, 0.00, 0.05
HSL	189°, 76%, 80%
HSV	189°, 32%, 95%
XYZ	60.2572, 71.6222, 95.4205
YIQ	212.6340, -43.1880, -10.2600

Conversions

Conversions Part 2

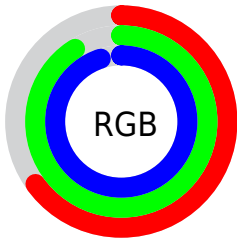
Format	Color
R _Y B	165, 201, 243
Decimal	10872819
CIE Lab	87.79, -17.83, -12.45
CIE LCh	88, 21.743, 214.932
Yxy	71.6222, 0.2651, 0.3151
Android (android.graphics.Color)	4289062899 (0xFFA5E7F3)
YUV	212.6340, 14.9704, -41.7750
Hunter-Lab	84.6299, -21.0088, -7.6087

Details

The Yxy color **71.6222, 0.2651, 0.3151** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **53.1662, 0.3827, 0.3423**, and the grayscale version is **66.1948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **37.5628, 0.2541, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **67.2019, 0.2522, 0.3101**, and if you desaturate by 10%, it is **76.5873, 0.2792, 0.3198**.

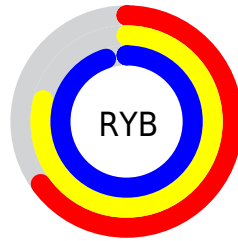
Distribution



Red (65%)

Green (91%)

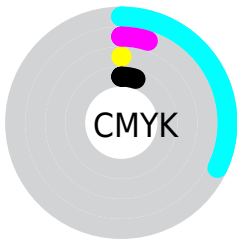
Blue (95%)



Red (65%)

Yellow (79%)

Blue (95%)

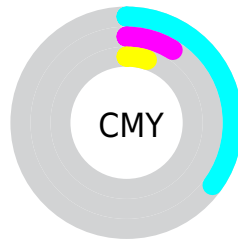


Cyan (32%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (35%)


Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.6222, 0.2651, 0.3151 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 71.6222, 0.2651, 0.3151 by changing the saturation by 10% instead.


 71.6222, 0.2651,
0.3151


 71.6222, 0.2651,
0.3151

466.2255, 0.2868,
0.3220

 52.8501, 0.2602,
0.3134


 121.5192, 0.2726,
0.3176

 37.6831, 0.2542,
0.3113


 153.4130, 0.2755,
0.3185

 25.7369, 0.2467,
0.3086


190.4494, 0.2780,
0.3193

 16.6269, 0.2370,
0.3049

233.0129, 0.2802,
0.3200

 9.9688, 0.2241,
0.2997

281.4879, 0.2822,
0.3206

 5.3783, 0.2060,
0.2918

336.2587, 0.2839,

 2.4709, 0.1790,

0.3211

0.2786

397.7098, 0.2854,
0.3215

0.8620, 0.1155,
0.2592

0.0000, 0.0000,
0.0000

71.6222, 0.2651,
0.3151

71.6222, 0.2651,
0.3151

67.2019, 0.2522,
0.3101

76.5873, 0.2792,
0.3198

63.2895, 0.2407,
0.3048

82.1149, 0.2940,
0.3242

59.8567, 0.2309,
0.2994

88.2322, 0.3094,
0.3282

56.8686, 0.2229,
0.2939

93.5849, 0.3204,
0.3319

■ 54.2848, 0.2170,
0.2884

■ 95.8709, 0.3201,
0.3354

■ 52.0572, 0.2129,
0.2829

■ 98.2024, 0.3198,
0.3390

■ 50.4934, 0.2108,
0.2787

■ 99.2495, 0.3197,
0.3405

Harmonies

Analogous

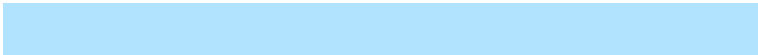
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6222, 0.2783, 0.3399



71.6222, 0.2651, 0.3151



71.6222, 0.2640, 0.2957

Triad

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



71.6222, 0.2651, 0.3151



71.6222, 0.3231, 0.2987



71.6222, 0.3505, 0.3734

Complementary

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



71.6222, 0.2651, 0.3151



53.1662, 0.3827, 0.3423

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.



71.6222, 0.3637, 0.3600



71.6222, 0.2651, 0.3151



71.6222, 0.3477, 0.3174

Square

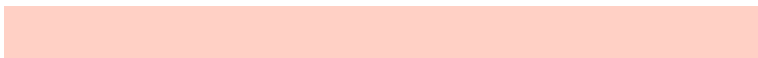
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.6222, 0.2651, 0.3151



71.6222, 0.2966, 0.2874



71.6222, 0.3628, 0.3395



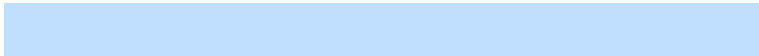
71.6222, 0.3273, 0.3748

Rectangle

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



71.6222, 0.2651, 0.3151



71.6222, 0.2702, 0.2880



71.6222, 0.3628, 0.3395



71.6222, 0.3563, 0.3701

Sweetspot

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



71.6250, 0.2651, 0.3151



93.0133, 0.2972, 0.3251



75.2383, 0.3018, 0.4096



19.7101, 0.2951, 0.3245



0.0000, 0.0000, 0.0000



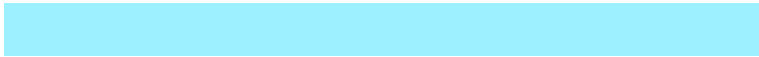
21.4041, 0.3127, 0.3290

Same Dimension

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



71.6250, 0.2651, 0.3151



76.4253, 0.2559, 0.3116



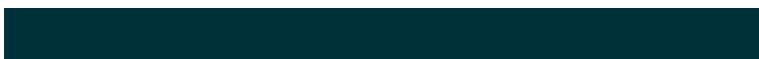
52.2717, 0.2593, 0.2680



18.2999, 0.2980, 0.3253



27.8807, 0.2110, 0.2795



2.5649, 0.2129, 0.2864

Inverse Universe

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



51.7087, 0.3262, 0.2602



51.1635, 0.3298, 0.2455



70.7027, 0.3696, 0.3831



16.7221, 0.3161, 0.3092



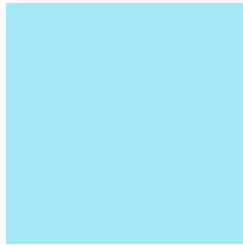
12.9139, 0.3639, 0.1778



1.1466, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 71.6222, 0.2651, 0.3151 looks on a white background.

Color Contrast Check

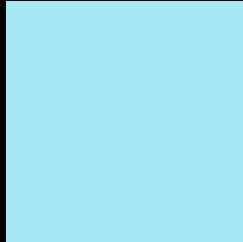
Large Text (above 18pt) WCAG AA × Fail

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 71.6222, 0.2651, 0.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

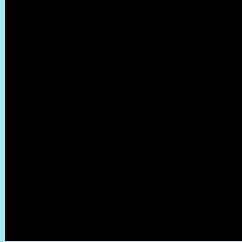
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6222, 0.2651, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 71.6222, 0.2651, 0.3151.

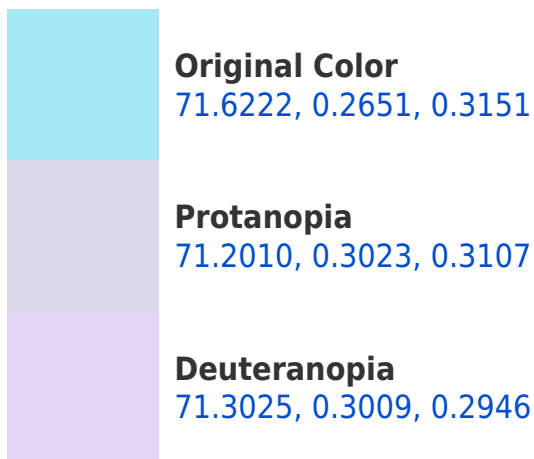


This preview shows how white text looks on a background with the Yxy color 71.6222, 0.2651, 0.3151.

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

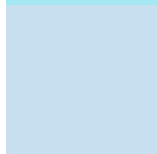
71.5402, 0.2625, 0.3072

Trichromacy



Original Color

71.6222, 0.2651, 0.3151



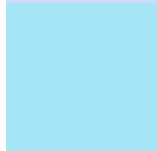
Protanomaly

71.0905, 0.2872, 0.3123



Deuteranomaly

70.8194, 0.2862, 0.3007



Tritanomaly

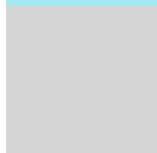
71.4160, 0.2635, 0.3094

Monochromacy



Original Color

71.6222, 0.2651, 0.3151



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.3040, 0.2936, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6222, 0.2651, 0.3151 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(165, 231, 243)` looks like.

```
.text, #text, p{  
    color:rgb(165, 231, 243)  
}
```

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(165, 231, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 231, 243) }
```

Border

The CSS property to change the border of an element to Yxy 71.6222, 0.2651, 0.3151 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(165, 231, 243) }
```

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

```
.border{ border-color:rgb(165, 231, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 231, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 231, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 231, 243);  
box-shadow:4px 4px 4px 4px rgb(165, 231,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6222, 0.2651, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 231, 243) }
```

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

```
.background{ background-color: rgb(165,  
231, 243) }
```

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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