

Converting Colors

$Yxy(72.6242, 0.2684, 0.3166)$

Have a look what the booklet for
Yxy(72.6242, 0.2684, 0.3166)
contains.

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Color

Yxy(72.7303, 0.2680, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	AAE8F3
RGB	170, 232, 243
RGB Percent	67%, 91%, 95%
CMY	0.3330, 0.0902, 0.0470
CMYK	0.30, 0.05, 0.00, 0.05
HSL	189°, 75%, 81%
HSV	189°, 30%, 95%
XYZ	61.6242, 72.7303, 95.5864
YIQ	214.7160, -40.4830, -9.7230

Conversions

Conversions Part 2

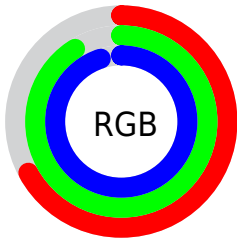
Format	Color
R _Y B	170, 204, 243
Decimal	11200755
CIE Lab	88.32, -16.90, -11.64
CIE LCh	88, 20.520, 214.569
Yxy	72.7303, 0.2680, 0.3163
Android (android.graphics.Color)	4289390835 (0xFFAAE8F3)
YUV	214.7160, 13.9440, -39.2159
Hunter-Lab	85.2821, -20.2609, -6.7564

Details

The Yxy color **72.7303, 0.2680, 0.3163** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **55.0463, 0.3767, 0.3413**, and the grayscale version is **67.6893, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **38.2834, 0.2575, 0.3123** is the 20% darker color. If you saturate the color by 10%, you get **68.2243, 0.2548, 0.3114**, and if you desaturate by 10%, it is **77.7859, 0.2823, 0.3209**.

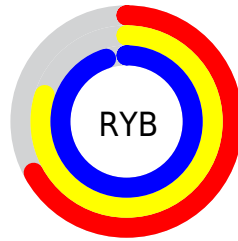
Distribution



Red (67%)

Green (91%)

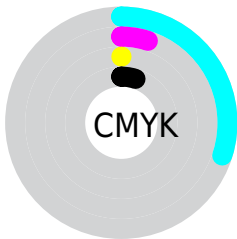
Blue (95%)



Red (67%)

Yellow (80%)

Blue (95%)

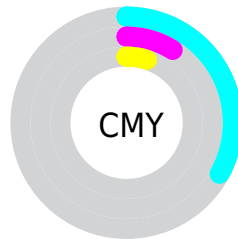


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (9%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7303, 0.2680, 0.3163 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 72.7303, 0.2680, 0.3163 by changing the saturation by 10% instead.


 72.7303, 0.2680,
0.3163

 72.7303, 0.2680,
0.3163


470.0795, 0.2884,
0.3225

 53.7555, 0.2634,
0.3148


 123.0943, 0.2750,
0.3185

 38.4062, 0.2578,
0.3129


155.2522, 0.2777,
0.3194

 26.2981, 0.2508,
0.3104


192.5732, 0.2801,
0.3201

 17.0468, 0.2417,
0.3071

235.4418, 0.2822,
0.3207

 10.2679, 0.2296,
0.3024

284.2424, 0.2840,
0.3213

 5.5769, 0.2126,
0.2953

339.3592, 0.2856,

 2.5896, 0.1873,

0.3217

0.2835

401.1768, 0.2871,
0.3222

0.9214, 0.1331,
0.2650

0.0000, 0.0000,
0.0000

72.7303, 0.2680,
0.3163

72.7303, 0.2680,
0.3163

68.2243, 0.2548,
0.3114

77.7859, 0.2823,
0.3209

64.2313, 0.2430,
0.3063

83.4080, 0.2973,
0.3251

60.7237, 0.2329,
0.3010

89.6237, 0.3127,
0.3290

57.6674, 0.2246,
0.2956

94.0516, 0.3203,
0.3326

■ 55.0235, 0.2182,
0.2901

■ 96.3147, 0.3200,
0.3361

■ 52.7457, 0.2138,
0.2847

■ 98.6223, 0.3198,
0.3396

■ 50.7585, 0.2110,
0.2794

■ 99.2513, 0.3197,
0.3405

Harmonies

Analogous

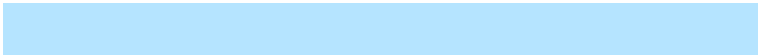
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7303, 0.2806, 0.3395



72.7303, 0.2680, 0.3163



72.7303, 0.2668, 0.2979

Triad

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



72.7303, 0.2680, 0.3163



72.7303, 0.3222, 0.3003



72.7303, 0.3484, 0.3706

Complementary

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



72.7303, 0.2680, 0.3163



55.0463, 0.3767, 0.3413

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.



72.7303, 0.3607, 0.3580



72.7303, 0.2680, 0.3163



72.7303, 0.3453, 0.3179

Square

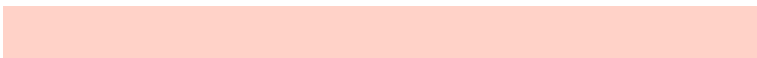
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7303, 0.2680, 0.3163



72.7303, 0.2973, 0.2897



72.7303, 0.3596, 0.3387



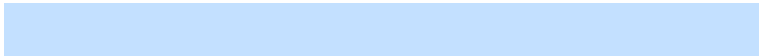
72.7303, 0.3268, 0.3720

Rectangle

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



72.7303, 0.2680, 0.3163



72.7303, 0.2726, 0.2905



72.7303, 0.3596, 0.3387



72.7303, 0.3538, 0.3675

Sweetspot

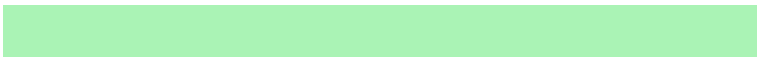
The Sweet Spot groups the original color and five complimentary colors.



72.7332, 0.2680, 0.3163



93.7124, 0.2988, 0.3255



75.9953, 0.3025, 0.4034



19.8517, 0.2965, 0.3249



0.0000, 0.0000, 0.0000



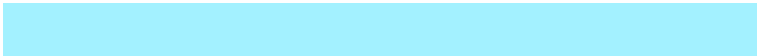
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7332, 0.2680, 0.3163



78.0178, 0.2598, 0.3134



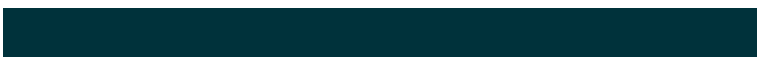
54.3268, 0.2631, 0.2726



18.3063, 0.2980, 0.3253



28.0167, 0.2112, 0.2803



2.5755, 0.2131, 0.2870

Inverse Universe

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



53.6598, 0.3250, 0.2646



53.8844, 0.3281, 0.2516



71.8342, 0.3654, 0.3795



16.7227, 0.3161, 0.3091



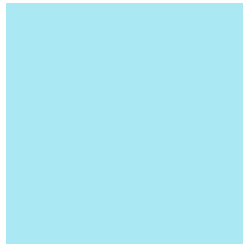
12.9277, 0.3632, 0.1775



1.1476, 0.3571, 0.1741

Previews

White Background



This preview shows how the Yxy color 72.7303, 0.2680, 0.3163 looks on a white background.

Color Contrast Check

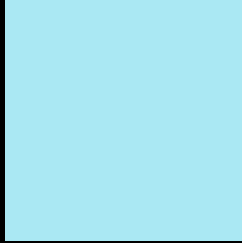
Large Text (above 18pt) WCAG AA × Fail

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 72.7303, 0.2680, 0.3163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

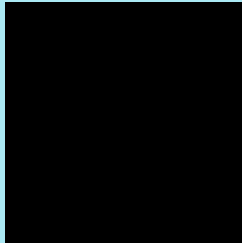
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7303, 0.2680, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 72.7303, 0.2680, 0.3163.

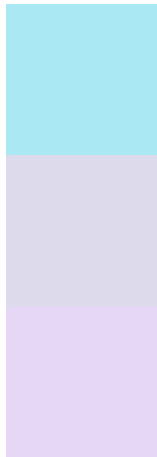


This preview shows how white text looks on a background with the Yxy color 72.7303, 0.2680, 0.3163.

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



Original Color

72.7303, 0.2680, 0.3163

Protanopia

72.0333, 0.3037, 0.3119

Deuteranopia

72.1393, 0.3023, 0.2958



Tritanopia

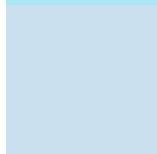
72.7620, 0.2658, 0.3086

Trichromacy



Original Color

72.7303, 0.2680, 0.3163



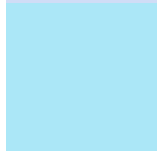
Protanomaly

72.0409, 0.2892, 0.3135



Deuteranomaly

71.7766, 0.2882, 0.3019



Tritanomaly

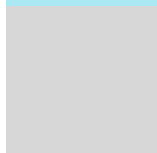
72.5252, 0.2663, 0.3107

Monochromacy



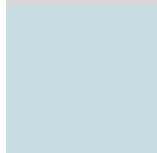
Original Color

72.7303, 0.2680, 0.3163



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.2913, 0.2950, 0.3244

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7303, 0.2680, 0.3163 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(170, 232, 243)` looks like.

```
.text, #text, p{  
    color:rgb(170, 232, 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(170, 232, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 232, 243) }
```

Border

The CSS property to change the border of an element to Yxy 72.7303, 0.2680, 0.3163 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(170, 232, 243) }
```

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

```
.border{ border-color:rgb(170, 232, 243) }
```

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

Here you see how a box with a 4 pixel rgb(170, 232, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 232, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 232, 243);  
box-shadow:4px 4px 4px 4px rgb(170, 232,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7303, 0.2680, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 232, 243) }
```

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

```
.background{ background-color: rgb(170,  
232, 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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