

Converting Colors

$Y_{xy}(72.9750, 0.2638, 0.3097)$

Have a look what the booklet for
Yxy(72.9750, 0.2638, 0.3097)
contains.

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Color

Yxy(72.8776, 0.2638, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	A8E8F9
RGB	168, 232, 249
RGB Percent	66%, 91%, 98%
CMY	0.3414, 0.0901, 0.0235
CMYK	0.33, 0.07, 0.00, 0.02
HSL	193°, 87%, 82%
HSV	193°, 33%, 98%
XYZ	62.0966, 72.8776, 100.4186
YIQ	214.8020, -43.6010, -8.2810

Conversions

Conversions Part 2

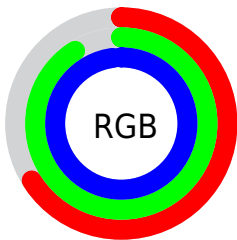
Format	Color
R _Y B	168, 204, 249
Decimal	11069689
CIE Lab	88.39, -16.10, -14.70
CIE LCh	88, 21.796, 222.394
Yxy	72.8776, 0.2638, 0.3096
Android (android.graphics.Color)	4289259769 (0xFFA8E8F9)
YUV	214.8020, 16.8596, -41.0454
Hunter-Lab	85.3684, -19.5545, -9.9848

Details

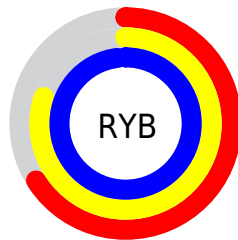
The Yxy color **72.8776, 0.2638, 0.3096** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.6413, 0.3825, 0.3474**, and the grayscale version is **67.7159, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7476, 0.2946, 0.3289**, and **38.4116, 0.2525, 0.3035** is the 20% darker color. If you saturate the color by 10%, you get **67.5096, 0.2504, 0.3026**, and if you desaturate by 10%, it is **78.8619, 0.2782, 0.3161**.

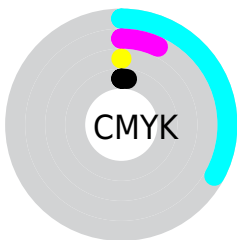
Distribution



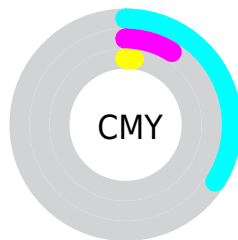
- Red (66%)
- Green (91%)
- Blue (98%)



- Red (66%)
- Yellow (80%)
- Blue (98%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (2%)




- Cyan (34%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8776, 0.2638, 0.3096 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 72.8776, 0.2638, 0.3096 by changing the saturation by 10% instead.


 72.8776, 0.2638,
0.3096

 72.8776, 0.2638,
0.3096

470.5905, 0.2860,
0.3190

 53.8759, 0.2588,
0.3074


 123.3034, 0.2714,
0.3129

 38.5024, 0.2528,
0.3046

155.4963, 0.2744,
0.3142

 26.3729, 0.2451,
0.3010


192.8551, 0.2770,
0.3153

 17.1028, 0.2354,
0.2963

235.7641, 0.2793,
0.3162

 10.3078, 0.2224,
0.2896

284.6077, 0.2813,
0.3170

 5.6035, 0.2043,
0.2798

339.7704, 0.2830,

 2.6055, 0.1777,

0.3178

0.2639

401.6365, 0.2846,
0.3184

0.9294, 0.1254,
0.2379

0.0000, 0.0000,
0.0000

72.8776, 0.2638,
0.3096

72.8776, 0.2638,
0.3096

67.5096, 0.2504,
0.3026

78.8619, 0.2782,
0.3161

62.7184, 0.2382,
0.2953

85.4821, 0.2933,
0.3222

58.4733, 0.2277,
0.2877

92.7676, 0.3088,
0.3277

54.7363, 0.2191,
0.2800

98.2831, 0.3163,
0.3327

■ 51.4642, 0.2124,
0.2722

■ 99.6198, 0.3162,
0.3347

■ 48.6043, 0.2077,
0.2645

■ 46.6834, 0.2052,
0.2588

Harmonies

Analogous

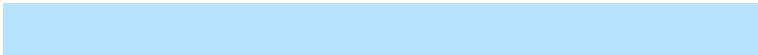
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8776, 0.2741, 0.3336



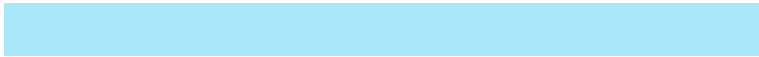
72.8776, 0.2638, 0.3096



72.8776, 0.2658, 0.2924

Triad

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



72.8776, 0.2638, 0.3096



72.8776, 0.3297, 0.3029



72.8776, 0.3453, 0.3749

Complementary

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



72.8776, 0.2638, 0.3096



57.6413, 0.3825, 0.3474

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.



72.8776, 0.3615, 0.3641



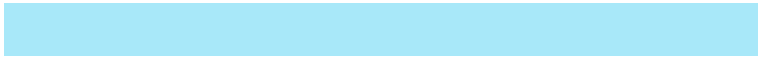
72.8776, 0.2638, 0.3096



72.8776, 0.3524, 0.3228

Square

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



72.8776, 0.2638, 0.3096



72.8776, 0.3030, 0.2895



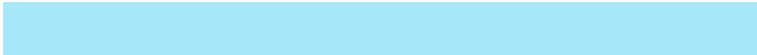
72.8776, 0.3643, 0.3449



72.8776, 0.3207, 0.3728

Rectangle

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



72.8776, 0.2638, 0.3096



72.8776, 0.2740, 0.2865



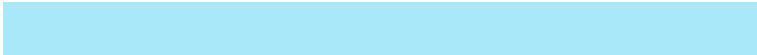
72.8776, 0.3643, 0.3449



72.8776, 0.3520, 0.3726

Sweetspot

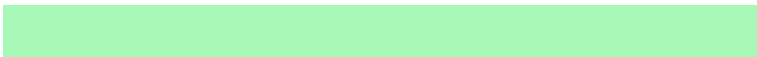
The Sweet Spot groups the original color and five complimentary colors.



72.8805, 0.2638, 0.3096



92.1169, 0.2972, 0.3236



79.5414, 0.2995, 0.4060



19.4920, 0.2951, 0.3228



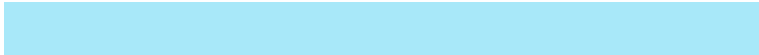
0.0000, 0.0000, 0.0000



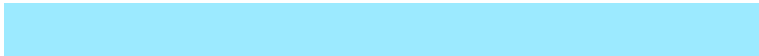
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8805, 0.2638, 0.3096



73.1752, 0.2549, 0.3051



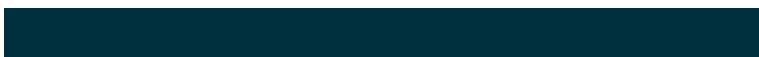
52.9776, 0.2579, 0.2620



18.9545, 0.2980, 0.3239



25.2009, 0.2056, 0.2600



2.4834, 0.2081, 0.2692

Inverse Universe

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



53.9562, 0.3302, 0.2635



50.8354, 0.3347, 0.2505



76.6486, 0.3693, 0.3879



17.4586, 0.3170, 0.3104



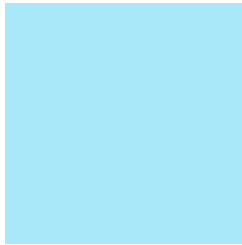
12.9550, 0.3824, 0.1880



1.2149, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 72.8776, 0.2638, 0.3096 looks on a white background.

Color Contrast Check

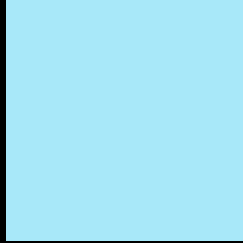
Large Text (above 18pt) WCAG AA × Fail

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 72.8776, 0.2638, 0.3096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

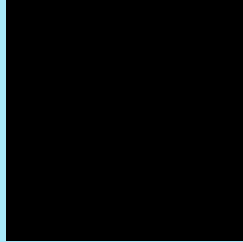
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8776, 0.2638, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 72.8776, 0.2638, 0.3096.

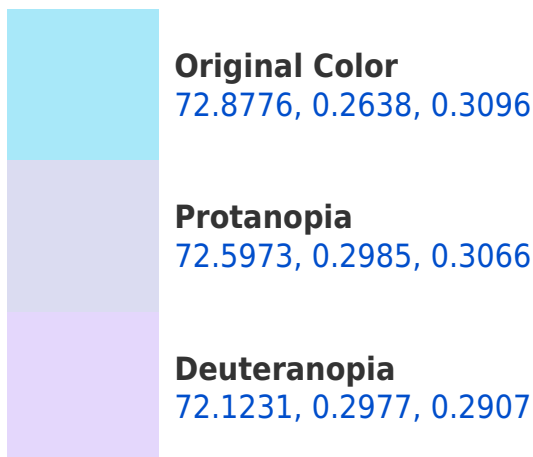


This preview shows how white text looks on a background with the Yxy color 72.8776, 0.2638, 0.3096.

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

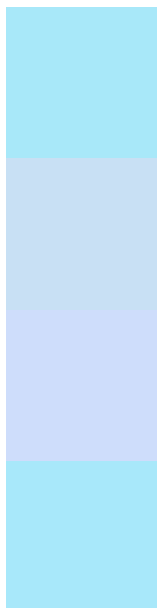




Tritanopia

72.9402, 0.2633, 0.3085

Trichromacy



Original Color

72.8776, 0.2638, 0.3096

Protanomaly

72.1223, 0.2844, 0.3070

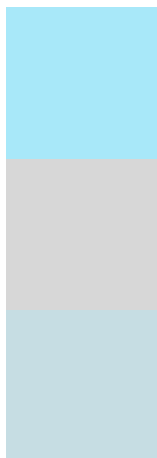
Deuteranomaly

71.7997, 0.2839, 0.2967

Tritanomaly

72.9402, 0.2633, 0.3085

Monochromacy



Original Color

72.8776, 0.2638, 0.3096

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.2647, 0.2931, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8776, 0.2638, 0.3096 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, 249)` looks like.

```
.text, #text, p{  
    color:rgb(168, 232, 249)  
}
```

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, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 232, 249) }
```

Border

The CSS property to change the border of an element to Yxy 72.8776, 0.2638, 0.3096 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, 249) }
```

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

```
.border{ border-color:rgb(168, 232, 249) }
```

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, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 232, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 232, 249);  
box-shadow:4px 4px 4px 4px rgb(168, 232,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8776, 0.2638, 0.3096 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, 249) }
```

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

```
.background{ background-color: rgb(168,  
232, 249) }
```

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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