

Converting Colors

$Y_{xy}(72.3307, 0.2596, 0.3065)$

Have a look what the booklet for
Yxy(72.3307, 0.2596, 0.3065)
contains.

Yxy(72.3596, 0.2597, 0.3072)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.3596, 0.2597, 0.3072)

Conversions

Conversions Part 1

Format	Color
Hex	A2E8FB
RGB	162, 232, 251
RGB Percent	64%, 91%, 98%
CMY	0.3647, 0.0902, 0.0157
CMYK	0.35, 0.08, 0.00, 0.02
HSL	193°, 92%, 81%
HSV	193°, 35%, 98%
XYZ	61.1712, 72.3596, 102.0148
YIQ	213.2360, -47.8190, -8.9310

Conversions

Conversions Part 2

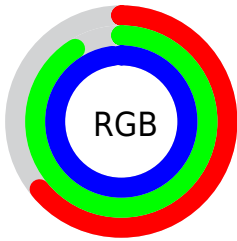
Format	Color
RYB	162, 201, 251
Decimal	10676475
CIELab	88.14, -17.19, -16.15
CIELCh	88, 23.589, 223.204
Yxy	72.3596, 0.2597, 0.3072
Android (android.graphics.Color)	4288866555 (0xFFA2E8FB)
YUV	213.2360, 18.6177, -44.9340
Hunter-Lab	85.0644, -20.5006, -11.5593

Details

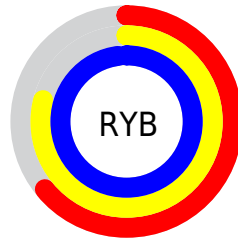
The Yxy color **72.3596, 0.2597, 0.3072** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.1738, 0.3909, 0.3495**, and the grayscale version is **66.6057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **38.0099, 0.2478, 0.3018** is the 20% darker color. If you saturate the color by 10%, you get **67.0187, 0.2466, 0.3000**, and if you desaturate by 10%, it is **78.3228, 0.2739, 0.3140**.

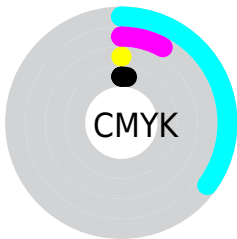
Distribution



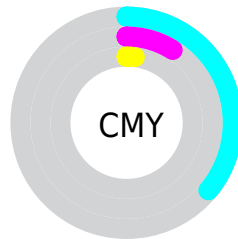
- Red (64%)
- Green (91%)
- Blue (98%)



- Red (64%)
- Yellow (79%)
- Blue (98%)



- Cyan (35%)
- Magenta (8%)
- Yellow (0%)
- Black (2%)





- Cyan (36%)
- Magenta (9%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.3596, 0.2597, 0.3072 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 72.3596, 0.2597, 0.3072 by changing the saturation by 10% instead.


 72.3596, 0.2597,
0.3072


 72.3596, 0.2597,
0.3072


468.7923, 0.2838,
0.3177

 53.4525, 0.2543,
0.3047

 122.5676, 0.2680,
0.3109

 38.1641, 0.2478,
0.3016


 154.6374, 0.2712,
0.3124

 26.1101, 0.2396,
0.2975


191.8634, 0.2740,
0.3136

 16.9060, 0.2290,
0.2922

234.6302, 0.2764,
0.3146

 10.1675, 0.2151,
0.2847

283.3220, 0.2786,
0.3156

 5.5102, 0.1957,
0.2736

338.3234, 0.2805,

 2.5496, 0.1675,

0.3164

0.2559

400.0187, 0.2822,
0.3171

0.9014, 0.1103,
0.2275

0.0000, 0.0000,
0.0000

72.3596, 0.2597,
0.3072

72.3596, 0.2597,
0.3072

67.0187, 0.2466,
0.3000

78.3228, 0.2739,
0.3140

62.2595, 0.2348,
0.2924

84.9295, 0.2889,
0.3203

58.0491, 0.2248,
0.2846

92.2098, 0.3042,
0.3261

54.3477, 0.2167,
0.2767

98.7564, 0.3151,
0.3313

■ 51.1085, 0.2105,
0.2687

■ 99.7455, 0.3150,
0.3328

■ 48.2741, 0.2063,
0.2609

■ 47.0821, 0.2048,
0.2574

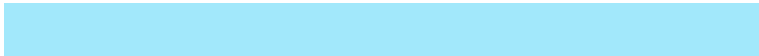
Harmonies

Analogous

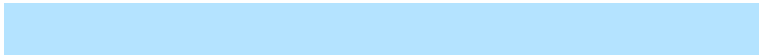
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.3596, 0.2705, 0.3331



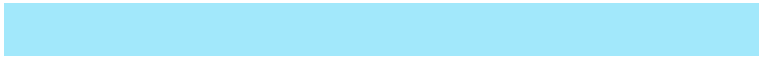
72.3596, 0.2597, 0.3072



72.3596, 0.2623, 0.2889

Triad

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



72.3596, 0.2597, 0.3072



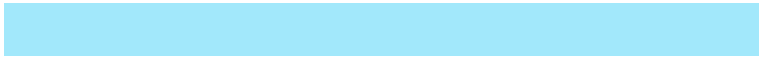
72.3596, 0.3318, 0.3013



72.3596, 0.3474, 0.3790

Complementary

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



72.3596, 0.2597, 0.3072



56.1738, 0.3909, 0.3495

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.



72.3596, 0.3653, 0.3674



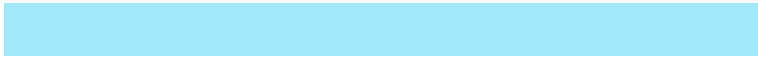
72.3596, 0.2597, 0.3072



72.3596, 0.3564, 0.3228

Square

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



72.3596, 0.2597, 0.3072



72.3596, 0.3029, 0.2866



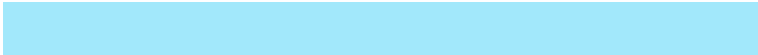
72.3596, 0.3688, 0.3467



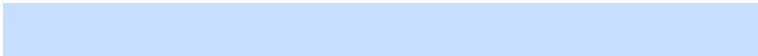
72.3596, 0.3205, 0.3764

Rectangle

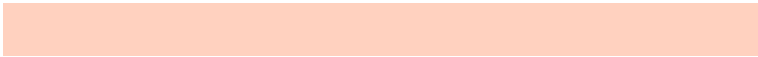
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3596, 0.2597, 0.3072



72.3596, 0.2713, 0.2829



72.3596, 0.3688, 0.3467



72.3596, 0.3547, 0.3765

Sweetspot

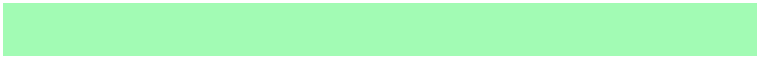
The Sweet Spot groups the original color and five complimentary colors.



72.3624, 0.2597, 0.3072



91.3002, 0.2957, 0.3229



79.9692, 0.2984, 0.4142



19.3254, 0.2936, 0.3221



0.0000, 0.0000, 0.0000



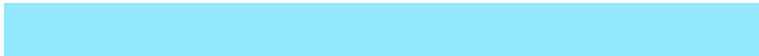
21.4041, 0.3127, 0.3290

Same Dimension

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



72.3624, 0.2597, 0.3072



70.7509, 0.2496, 0.3018



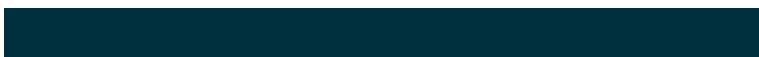
50.9182, 0.2525, 0.2548



18.9424, 0.2980, 0.3238



24.9675, 0.2052, 0.2587



2.4637, 0.2078, 0.2680

Inverse Universe

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



52.1812, 0.3325, 0.2579



47.4205, 0.3380, 0.2431



76.5970, 0.3751, 0.3933



17.4574, 0.3171, 0.3105



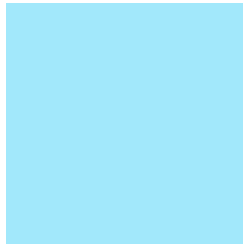
12.9314, 0.3837, 0.1887



1.2129, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 72.3596, 0.2597, 0.3072 looks on a white background.

Color Contrast Check

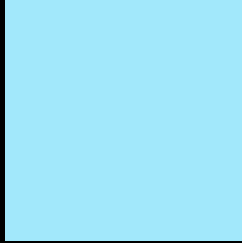
Large Text (above 18pt) WCAG AA × Fail

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 72.3596, 0.2597, 0.3072 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 72.3596, 0.2597, 0.3072

Background



This preview shows how black text looks on a background with the Yxy color 72.3596, 0.2597, 0.3072.

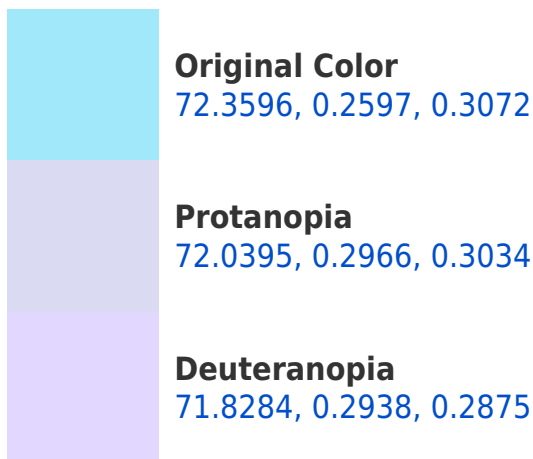


This preview shows how white text looks on a background with the Yxy color 72.3596, 0.2597, 0.3072.

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

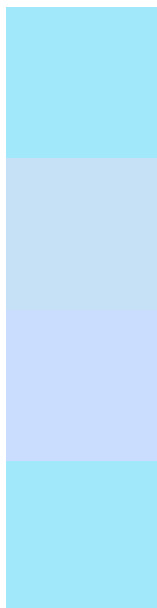




Tritanopia

72.3596, 0.2597, 0.3072

Trichromacy



Original Color

72.3596, 0.2597, 0.3072

Protanomaly

71.9709, 0.2820, 0.3048

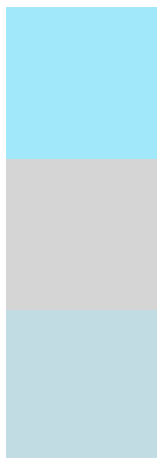
Deuteranomaly

71.4252, 0.2797, 0.2933

Tritanomaly

72.3596, 0.2597, 0.3072

Monochromacy



Original Color

72.3596, 0.2597, 0.3072

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.2018, 0.2904, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.3596, 0.2597, 0.3072 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(162, 232, 251)` looks like.

```
.text, #text, p{  
    color:rgb(162, 232, 251)  
}
```

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(162, 232, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 232, 251) }
```

Border

The CSS property to change the border of an element to Yxy 72.3596, 0.2597, 0.3072 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(162, 232, 251) }
```

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

```
.border{ border-color:rgb(162, 232, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 232, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 232, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 232, 251);  
box-shadow:4px 4px 4px 4px rgb(162, 232,  
251) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.3596, 0.2597, 0.3072$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 232, 251) }
```

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

```
.background{ background-color: rgb(162,  
232, 251) }
```

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