

Converting Colors

$Yxy(73.6863, 0.2617, 0.3036)$

Have a look what the booklet for
Yxy(73.6863, 0.2617, 0.3036)
contains.

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Color

Yxy(73.4793, 0.2619, 0.3031)

Conversions

Conversions Part 1

Format	Color
Hex	AAE8FF
RGB	170, 232, 255
RGB Percent	67%, 91%, 100%
CMY	0.3332, 0.0902, 0.0000
CMYK	0.33, 0.09, 0.00, 0.00
HSL	196°, 100%, 83%
HSV	196°, 33%, 100%
XYZ	63.4914, 73.4793, 105.4553
YIQ	216.0840, -44.3350, -5.9910

Conversions

Conversions Part 2

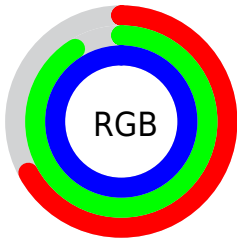
Format	Color
R _Y B	170, 206, 255
Decimal	11200767
CIE Lab	88.68, -14.11, -17.40
CIE LCh	89, 22.403, 230.971
Yxy	73.4793, 0.2619, 0.3031
Android (android.graphics.Color)	4289390847 (0xFFAAE8FF)
YUV	216.0840, 19.1856, -40.4157
Hunter-Lab	85.7201, -17.7983, -12.9362

Details

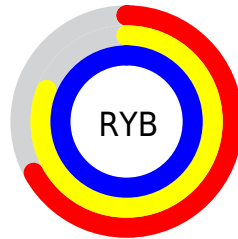
The Yxy color **73.4793, 0.2619, 0.3031** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.3222, 0.3831, 0.3533**, and the grayscale version is **68.6249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **38.7727, 0.2508, 0.2966** is the 20% darker color. If you saturate the color by 10%, you get **67.0979, 0.2479, 0.2939**, and if you desaturate by 10%, it is **80.5685, 0.2767, 0.3117**.

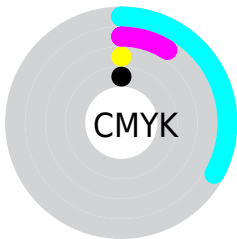
Distribution



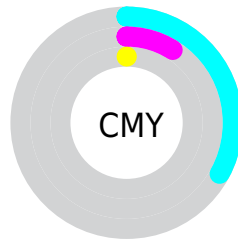
- Red (67%)
- Green (91%)
- Blue (100%)



- Red (67%)
- Yellow (81%)
- Blue (100%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4793, 0.2619, 0.3031 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 73.4793, 0.2619, 0.3031 by changing the saturation by 10% instead.

 73.4793, 0.2619,
0.3031

 73.4793, 0.2619,
0.3031


472.6743, 0.2849,
0.3154

 54.3680, 0.2568,
0.3002


 124.1574, 0.2698,
0.3074

 38.8959, 0.2505,
0.2967


156.4930, 0.2729,
0.3091

 26.6788, 0.2427,
0.2921

194.0054, 0.2756,
0.3105

 17.3321, 0.2327,
0.2861

237.0791, 0.2779,
0.3118

 10.4716, 0.2194,
0.2778

286.0984, 0.2800,
0.3128

 5.7127, 0.2011,
0.2658

341.4478, 0.2818,

 2.6712, 0.1743,

0.3138

0.2470

403.5116, 0.2834,
0.3147

0.9626, 0.1274,
0.2157

0.0000, 0.0000,
0.0000

73.4793, 0.2619,
0.3031

73.4793, 0.2619,
0.3031

67.0979, 0.2479,
0.2939

80.5685, 0.2767,
0.3117

61.3847, 0.2352,
0.2843

88.3908, 0.2921,
0.3196

56.3047, 0.2239,
0.2742

96.9771, 0.3076,
0.3268

51.8164, 0.2145,
0.2639

100.0000, 0.3127,
0.3290

■ 47.8721, 0.2071,
0.2536

■ 44.4140, 0.2018,
0.2434

■ 42.3198, 0.1991,
0.2367

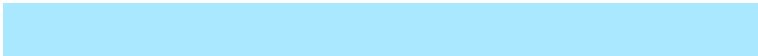
Harmonies

Analogous

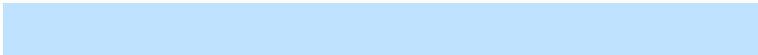
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.4793, 0.2690, 0.3263



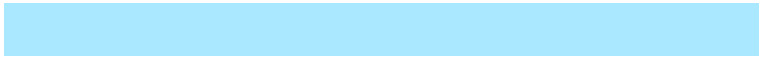
73.4793, 0.2619, 0.3031



73.4793, 0.2676, 0.2883

Triad

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



73.4793, 0.2619, 0.3031



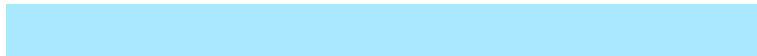
73.4793, 0.3375, 0.3076



73.4793, 0.3395, 0.3769

Complementary

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



73.4793, 0.2619, 0.3031



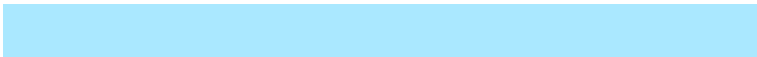
62.3222, 0.3831, 0.3533

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.



73.4793, 0.3592, 0.3692



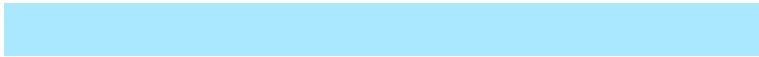
73.4793, 0.2619, 0.3031



73.4793, 0.3583, 0.3291

Square

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



73.4793, 0.2619, 0.3031



73.4793, 0.3105, 0.2916



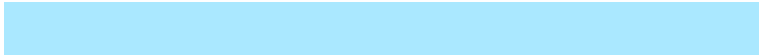
73.4793, 0.3663, 0.3514



73.4793, 0.3131, 0.3707

Rectangle

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



73.4793, 0.2619, 0.3031



73.4793, 0.2781, 0.2845



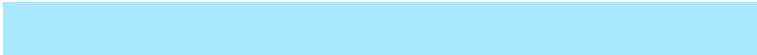
73.4793, 0.3663, 0.3514



73.4793, 0.3471, 0.3758

Sweetspot

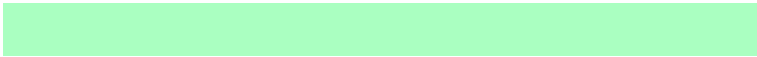
The Sweet Spot groups the original color and five complimentary colors.



73.4813, 0.2619, 0.3031



91.1541, 0.2972, 0.3221



83.9069, 0.2963, 0.4014



19.2580, 0.2950, 0.3210



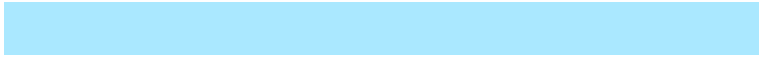
0.0000, 0.0000, 0.0000



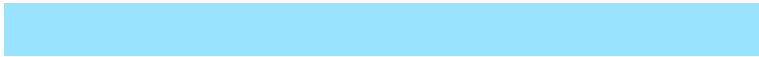
21.4041, 0.3127, 0.3290

Same Dimension

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



73.4813, 0.2619, 0.3031



69.1402, 0.2525, 0.2970



52.5376, 0.2555, 0.2532



19.6006, 0.2980, 0.3224



22.3736, 0.1995, 0.2383



2.3598, 0.2028, 0.2499

Inverse Universe

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



55.8497, 0.3351, 0.2666



49.6097, 0.3410, 0.2542



83.6809, 0.3691, 0.3947



18.2115, 0.3180, 0.3118



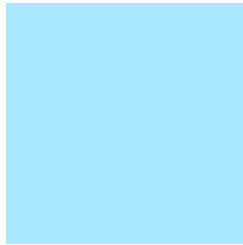
12.9866, 0.4040, 0.1999



1.2828, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 73.4793, 0.2619, 0.3031 looks on a white background.

Color Contrast Check

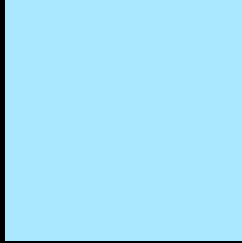
Large Text (above 18pt) WCAG AA × Fail

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 73.4793, 0.2619, 0.3031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

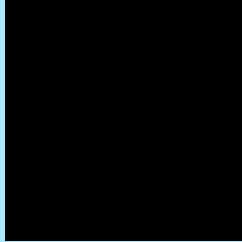
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.4793, 0.2619, 0.3031

Background



This preview shows how black text looks on a background with the Yxy color 73.4793, 0.2619, 0.3031.

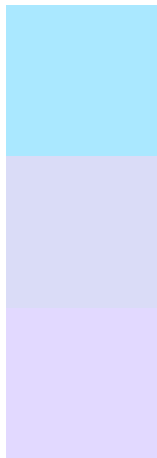


This preview shows how white text looks on a background with the Yxy color 73.4793, 0.2619, 0.3031.

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

73.4793, 0.2619, 0.3031

Protanopia

72.8072, 0.2941, 0.3004

Deuteranopia

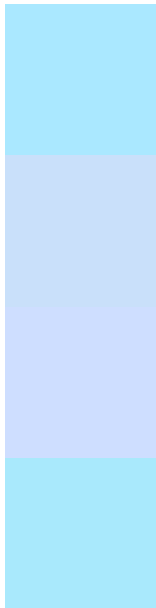
73.0145, 0.2945, 0.2897



Tritanopia

73.6779, 0.2635, 0.3086

Trichromacy



Original Color

73.4793, 0.2619, 0.3031

Protanomaly

72.6309, 0.2816, 0.3007

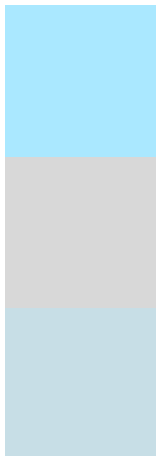
Deuteranomaly

72.5844, 0.2817, 0.2937

Tritanomaly

73.7411, 0.2630, 0.3075

Monochromacy



Original Color

73.4793, 0.2619, 0.3031

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

70.0978, 0.2919, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.4793, 0.2619, 0.3031 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(170, 232, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 73.4793, 0.2619, 0.3031 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, 255) }
```

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

```
.border{ border-color:rgb(170, 232, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(170, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 73.4793, 0.2619, 0.3031 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, 255) }
```

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

```
.background{ background-color: rgb(170,  
232, 255) }
```

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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