

Converting Colors

$Yxy(75.6088, 0.2592, 0.3087)$

Have a look what the booklet for
Yxy(75.6088, 0.2592, 0.3087)
contains.

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Color

Yxy(75.5749, 0.2591, 0.3086)

Conversions

Conversions Part 1

Format	Color
Hex	A3EDFF
RGB	163, 237, 255
RGB Percent	64%, 93%, 100%
CMY	0.3605, 0.0706, 0.0000
CMYK	0.36, 0.07, 0.00, 0.00
HSL	192°, 100%, 82%
HSV	192°, 36%, 100%
XYZ	63.4525, 75.5749, 105.8685
YIQ	216.9260, -49.8820, -10.0900

Conversions

Conversions Part 2

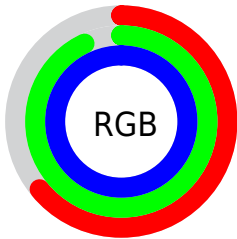
Format	Color
R_{YB}	163, 204, 255
Decimal	10743295
CIE _{Lab}	89.66, -18.45, -15.96
CIE _{LCh}	90, 24.393, 220.871
Yxy	75.5749, 0.2591, 0.3086
Android (android.graphics.Color)	4288933375 (0xFFA3EDFF)
YUV	216.9260, 18.7705, -47.2931
Hunter-Lab	86.9338, -21.8480, -11.3500

Details

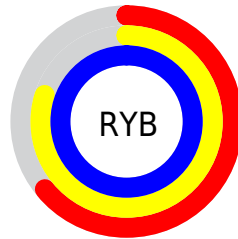
The Yxy color **75.5749, 0.2591, 0.3086** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **56.9919, 0.3934, 0.3482**, and the grayscale version is **69.2408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **40.2508, 0.2474, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **70.2959, 0.2462, 0.3020**, and if you desaturate by 10%, it is **81.4803, 0.2731, 0.3149**.

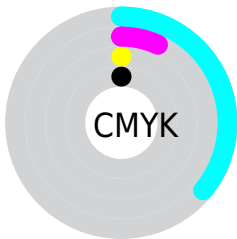
Distribution



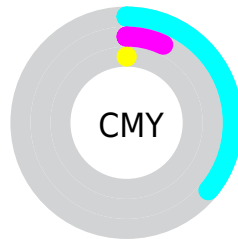
- Red (64%)
- Green (93%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- Blue (100%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.5749, 0.2591, 0.3086 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 75.5749, 0.2591, 0.3086 by changing the saturation by 10% instead.

 75.5749, 0.2591,
0.3086

 75.5749, 0.2591,
0.3086

479.8913, 0.2832,
0.3184

 56.0840, 0.2538,
0.3063

 127.1258, 0.2673,
0.3121

 40.2703, 0.2472,
0.3034


 159.9546, 0.2706,
0.3134

 27.7493, 0.2391,
0.2996


197.9982, 0.2734,
0.3146

 18.1368, 0.2288,
0.2947

241.6409, 0.2759,
0.3155

 11.0482, 0.2151,
0.2878

291.2672, 0.2780,
0.3164

 6.0993, 0.1964,
0.2776

347.2614, 0.2800,

 2.9056, 0.1694,

0.3172

0.2615

410.0080, 0.2817,
0.3178

■ 1.0826, 0.1226,
0.2344

■ 0.0000, 0.0000,
0.0000

■ 75.5749, 0.2591,
0.3086

■ 75.5749, 0.2591,
0.3086

■ 70.2959, 0.2462,
0.3020

■ 81.4803, 0.2731,
0.3149

■ 65.6053, 0.2348,
0.2951

■ 88.0383, 0.2880,
0.3207

■ 61.4676, 0.2251,
0.2879

■ 95.2789, 0.3033,
0.3260

■ 57.8410, 0.2174,
0.2807

100.0000, 0.3127,
0.3290

■ 54.6769, 0.2116,
0.2735

■ 51.9146, 0.2078,
0.2664

■ 50.8984, 0.2066,
0.2636

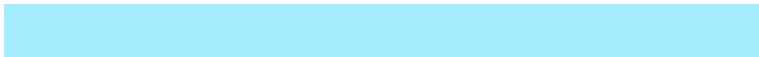
Harmonies

Analogous

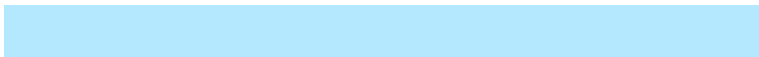
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.5749, 0.2711, 0.3354



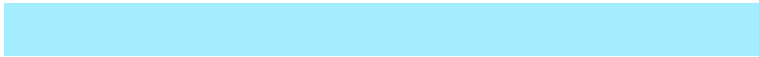
75.5749, 0.2591, 0.3086



75.5749, 0.2607, 0.2892

Triad

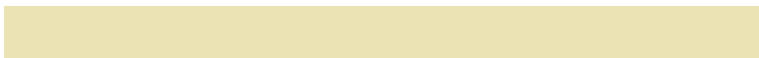
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.5749, 0.2591, 0.3086



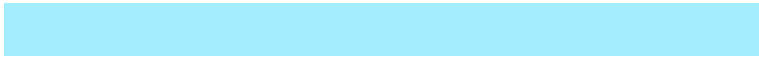
75.5749, 0.3299, 0.2993



75.5749, 0.3499, 0.3795

Complementary

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



75.5749, 0.2591, 0.3086



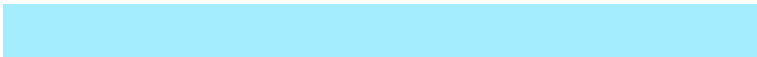
56.9919, 0.3934, 0.3482

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.



75.5749, 0.3672, 0.3667



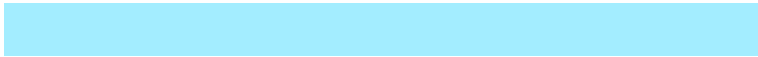
75.5749, 0.2591, 0.3086



75.5749, 0.3556, 0.3208

Square

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



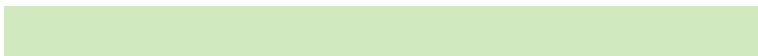
75.5749, 0.2591, 0.3086



75.5749, 0.3004, 0.2851



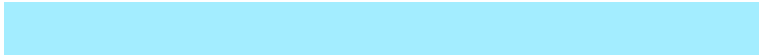
75.5749, 0.3695, 0.3451



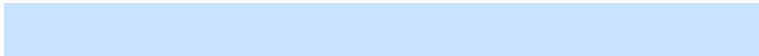
75.5749, 0.3229, 0.3782

Rectangle

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



75.5749, 0.2591, 0.3086



75.5749, 0.2691, 0.2825



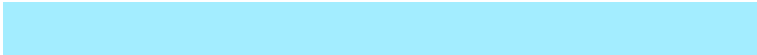
75.5749, 0.3695, 0.3451



75.5749, 0.3570, 0.3766

Sweetspot

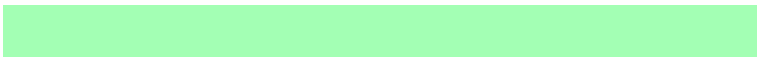
The Sweet Spot groups the original color and five complimentary colors.



75.5764, 0.2591, 0.3086



91.6059, 0.2957, 0.3234



82.6074, 0.2990, 0.4179



19.3986, 0.2936, 0.3227



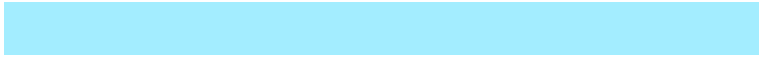
0.0000, 0.0000, 0.0000



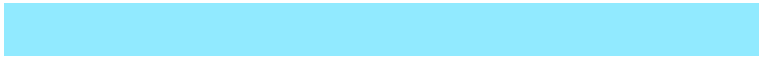
21.4041, 0.3127, 0.3290

Same Dimension

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



75.5764, 0.2591, 0.3086



71.8410, 0.2500, 0.3041



52.7965, 0.2516, 0.2552



19.8409, 0.2980, 0.3242



26.8095, 0.2069, 0.2647



2.7576, 0.2091, 0.2729

Inverse Universe

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



53.5962, 0.3316, 0.2552



47.5306, 0.3362, 0.2414



78.2410, 0.3768, 0.3930



18.2358, 0.3168, 0.3101



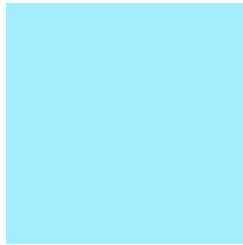
13.4344, 0.3778, 0.1855



1.3229, 0.3701, 0.1812

Previews

White Background



This preview shows how the Yxy color 75.5749, 0.2591, 0.3086 looks on a white background.

Color Contrast Check

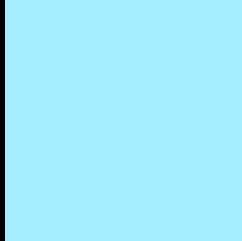
Large Text (above 18pt) WCAG AA × Fail

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 75.5749, 0.2591, 0.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

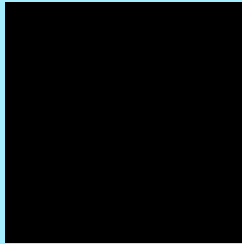
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.5749, 0.2591, 0.3086

Background



This preview shows how black text looks on a background with the Yxy color 75.5749, 0.2591, 0.3086.

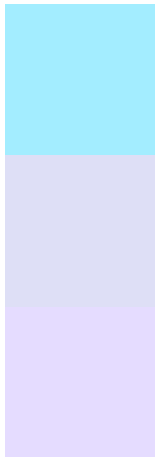


This preview shows how white text looks on a background with the Yxy color 75.5749, 0.2591, 0.3086.

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

75.5749, 0.2591, 0.3086

Protanopia

74.9588, 0.2975, 0.3048

Deuteranopia

75.0644, 0.2966, 0.2931



Tritanopia

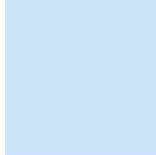
75.3179, 0.2604, 0.3076

Trichromacy



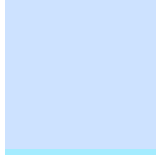
Original Color

75.5749, 0.2591, 0.3086



Protanomaly

74.7439, 0.2824, 0.3062



Deuteranomaly

74.5918, 0.2813, 0.2980



Tritanomaly

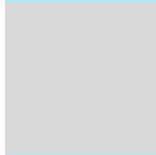
75.2102, 0.2599, 0.3075

Monochromacy



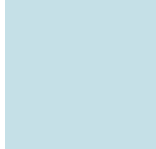
Original Color

75.5749, 0.2591, 0.3086



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

70.9511, 0.2901, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.5749, 0.2591, 0.3086 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(163, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 237, 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(163, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.5749, 0.2591, 0.3086 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(163, 237, 255) }
```

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

```
.border{ border-color:rgb(163, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.5749, 0.2591, 0.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 237, 255) }
```

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

```
.background{ background-color: rgb(163,  
237, 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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