

Converting Colors

$Yxy(76.8068, 0.2605, 0.3106)$

Have a look what the booklet for
Yxy(76.8068, 0.2605, 0.3106)
contains.

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Color

Yxy(76.9523, 0.2604, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	A5EFFF
RGB	165, 239, 255
RGB Percent	65%, 94%, 100%
CMY	0.3529, 0.0627, 0.0001
CMYK	0.35, 0.06, 0.00, 0.00
HSL	191°, 100%, 82%
HSV	191°, 35%, 100%
XYZ	64.4321, 76.9523, 106.0507
YIQ	218.6980, -49.2400, -10.7120

Conversions

Conversions Part 2

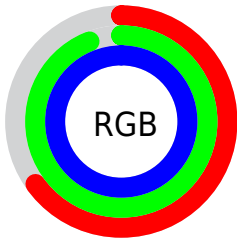
Format	Color
RYB	165, 206, 255
Decimal	10874879
CIELab	90.30, -18.96, -14.98
CIElCh	90, 24.160, 218.305
Yxy	76.9523, 0.2604, 0.3110
Android (android.graphics.Color)	4289064959 (0xFFA5EFFF)
YUV	218.6980, 17.8969, -47.0931
Hunter-Lab	87.7225, -22.4062, -10.2720

Details

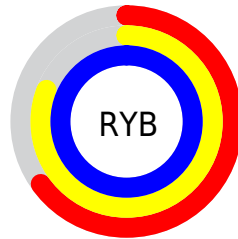
The Yxy color **76.9523, 0.2604, 0.3110** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.0169, 0.3917, 0.3460**, and the grayscale version is **70.5199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4280, 0.2935, 0.3289**, and **41.1954, 0.2490, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **71.8695, 0.2476, 0.3050**, and if you desaturate by 10%, it is **82.6526, 0.2744, 0.3166**.

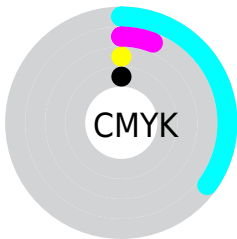
Distribution



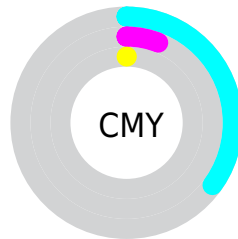
- Red (65%)
- Green (94%)
- Blue (100%)



- Red (65%)
- Yellow (81%)
- Blue (100%)



- Cyan (35%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (35%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9523, 0.2604, 0.3110 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 76.9523, 0.2604, 0.3110 by changing the saturation by 10% instead.

 76.9523, 0.2604,
0.3110


 76.9523, 0.2604,
0.3110

484.6014, 0.2839,
0.3197

 57.2137, 0.2552,
0.3089

 129.0721, 0.2684,
0.3141

 41.1769, 0.2489,
0.3064


 162.2222, 0.2716,
0.3153

 28.4573, 0.2410,
0.3030


200.6116, 0.2743,
0.3163

 18.6707, 0.2310,
0.2986

244.6246, 0.2767,
0.3171

 11.4326, 0.2178,
0.2925

294.6457, 0.2788,
0.3179

 6.3586, 0.1997,
0.2834

351.0593, 0.2807,

 3.0643, 0.1735,

0.3186

0.2690

414.2497, 0.2824,
0.3192

■ 1.1654, 0.1301,
0.2441

■ 0.0332, 0.0000,
0.0296

■ 76.9523, 0.2604,
0.3110

■ 76.9523, 0.2604,
0.3110

■ 71.8695, 0.2476,
0.3050

■ 82.6526, 0.2744,
0.3166

■ 67.3621, 0.2363,
0.2988

■ 88.9918, 0.2892,
0.3218

■ 63.3966, 0.2268,
0.2924

■ 96.0009, 0.3045,
0.3266

■ 59.9319, 0.2191,
0.2859

99.9990, 0.3127,
0.3290

■ 56.9200, 0.2135,
0.2794

■ 54.3017, 0.2097,
0.2730

■ 53.1644, 0.2084,
0.2700

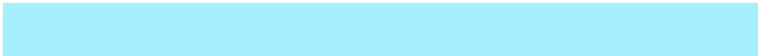
Harmonies

Analogous

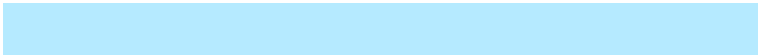
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.9523, 0.2733, 0.3377



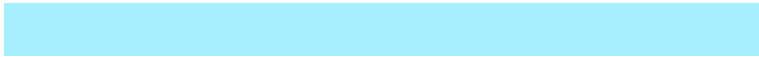
76.9523, 0.2604, 0.3110



76.9523, 0.2608, 0.2910

Triad

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



76.9523, 0.2604, 0.3110



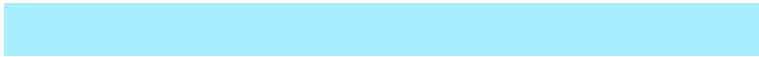
76.9523, 0.3272, 0.2982



76.9523, 0.3512, 0.3781

Complementary

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



76.9523, 0.2604, 0.3110



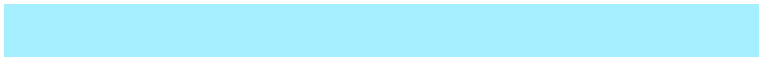
57.0169, 0.3917, 0.3460

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.



76.9523, 0.3672, 0.3646



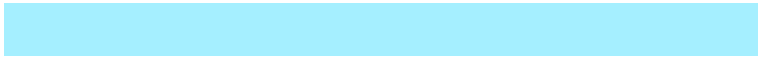
76.9523, 0.2604, 0.3110



76.9523, 0.3532, 0.3190

Square

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



76.9523, 0.2604, 0.3110



76.9523, 0.2982, 0.2849



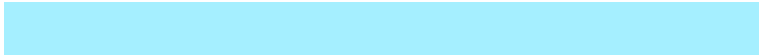
76.9523, 0.3680, 0.3429



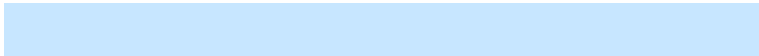
76.9523, 0.3253, 0.3781

Rectangle

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



76.9523, 0.2604, 0.3110



76.9523, 0.2684, 0.2837



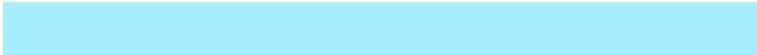
76.9523, 0.3680, 0.3429



76.9523, 0.3580, 0.3749

Sweetspot

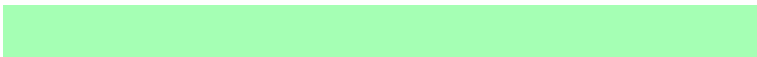
The Sweet Spot groups the original color and five complimentary colors.



76.9553, 0.2604, 0.3110



91.9254, 0.2957, 0.3240



82.8059, 0.3000, 0.4175



19.4752, 0.2936, 0.3233



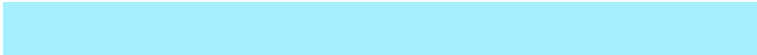
0.0000, 0.0000, 0.0000



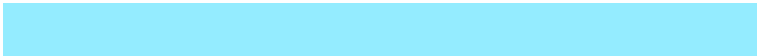
21.4041, 0.3127, 0.3290

Same Dimension

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



76.9553, 0.2604, 0.3110



73.4857, 0.2517, 0.3070



54.2498, 0.2533, 0.2588



19.9003, 0.2980, 0.3247



27.9830, 0.2086, 0.2711



2.8617, 0.2107, 0.2784

Inverse Universe

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



54.4028, 0.3297, 0.2552



48.4634, 0.3338, 0.2416



77.8204, 0.3758, 0.3902



18.2417, 0.3165, 0.3097



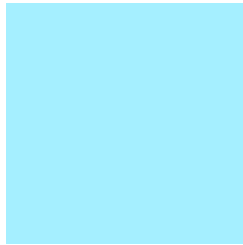
13.5529, 0.3718, 0.1822



1.3334, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 76.9523, 0.2604, 0.3110 looks on a white background.

Color Contrast Check

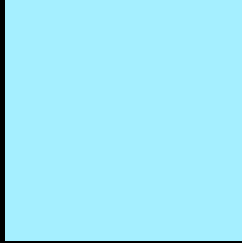
Large Text (above 18pt) WCAG AA × Fail

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 76.9523, 0.2604, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

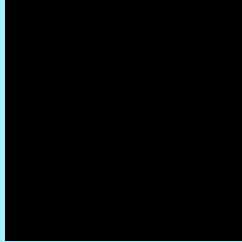
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9523, 0.2604, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 76.9523, 0.2604, 0.3110.

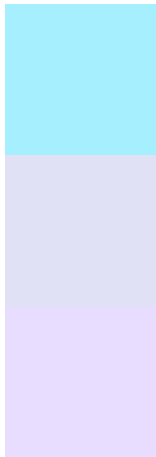


This preview shows how white text looks on a background with the Yxy color 76.9523, 0.2604, 0.3110.

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

76.9523, 0.2604, 0.3110

Protanopia

76.5118, 0.2995, 0.3071

Deuteranopia

76.0887, 0.2986, 0.2943



Tritanopia

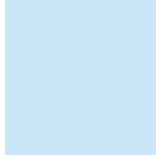
76.5590, 0.2637, 0.3089

Trichromacy



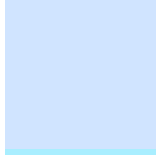
Original Color

76.9523, 0.2604, 0.3110



Protanomaly

76.1297, 0.2838, 0.3085



Deuteranomaly

76.1167, 0.2833, 0.3003



Tritanomaly

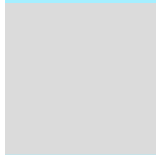
76.8041, 0.2623, 0.3099

Monochromacy



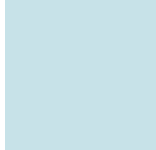
Original Color

76.9523, 0.2604, 0.3110



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

72.3610, 0.2909, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9523, 0.2604, 0.3110 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(165, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(165, 239, 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(165, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 239, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.9523, 0.2604, 0.3110 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(165, 239, 255) }
```

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

```
.border{ border-color:rgb(165, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(165, 239,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9523, 0.2604, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 239, 255) }
```

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

```
.background{ background-color: rgb(165,  
239, 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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