

Converting Colors

$Yxy(76.2194, 0.2657, 0.3074)$

Have a look what the booklet for
Yxy(76.2194, 0.2657, 0.3074)
contains.

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Color

Yxy(76.4410, 0.2656, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	B0ECFF
RGB	176, 236, 255
RGB Percent	69%, 93%, 100%
CMY	0.3100, 0.0744, 0.0000
CMYK	0.31, 0.07, 0.00, 0.00
HSL	194°, 100%, 84%
HSV	194°, 31%, 100%
XYZ	65.9394, 76.4410, 105.8853
YIQ	220.2260, -41.8590, -6.8110

Conversions

Conversions Part 2

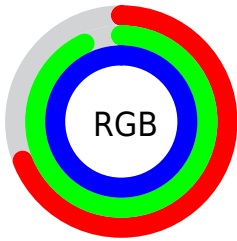
Format	Color
R _Y B	176, 210, 255
Decimal	11595007
CIE Lab	90.06, -14.54, -15.28
CIE LCh	90, 21.094, 226.413
Yxy	76.4410, 0.2656, 0.3079
Android (android.graphics.Color)	4289785087 (0xFFB0ECFF)
YUV	220.2260, 17.1436, -38.7862
Hunter-Lab	87.4305, -18.3803, -10.6035

Details

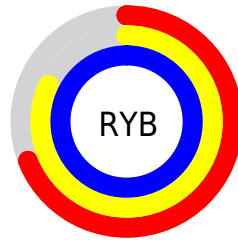
The Yxy color **76.4410, 0.2656, 0.3079** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.3886, 0.3775, 0.3490**, and the grayscale version is **71.6300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **40.7847, 0.2554, 0.3029** is the 20% darker color. If you saturate the color by 10%, you get **70.2808, 0.2517, 0.2999**, and if you desaturate by 10%, it is **83.2864, 0.2804, 0.3153**.

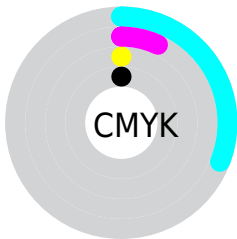
Distribution



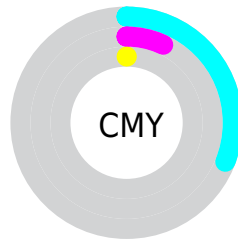
- Red (69%)
- Green (93%)
- Blue (100%)



- Red (69%)
- Yellow (82%)
- Blue (100%)



- Cyan (31%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (31%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4410, 0.2656, 0.3079 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 76.4410, 0.2656, 0.3079 by changing the saturation by 10% instead.

 76.4410, 0.2656,
0.3079

 76.4410, 0.2656,
0.3079


482.8560, 0.2868,
0.3179

 56.7942, 0.2609,
0.3056

 128.3501, 0.2729,
0.3114

 40.8400, 0.2551,
0.3027


161.3812, 0.2757,
0.3128

 28.1941, 0.2480,
0.2990


199.6425, 0.2782,
0.3139

 18.4720, 0.2388,
0.2941

243.5184, 0.2803,
0.3149

 11.2894, 0.2267,
0.2874

293.3933, 0.2823,
0.3158

 6.2618, 0.2100,
0.2776

349.6516, 0.2840,

 3.0049, 0.1857,

0.3166

0.2623

412.6777, 0.2855,
0.3173

■ 1.1343, 0.1463,
0.2358

■ 0.0071, 0.0000,
0.0065

■ 76.4410, 0.2656,
0.3079

■ 76.4410, 0.2656,
0.3079

■ 70.2808, 0.2517,
0.2999

■ 83.2864, 0.2804,
0.3153

■ 64.7641, 0.2390,
0.2915

■ 90.8379, 0.2957,
0.3222

■ 59.8583, 0.2278,
0.2827

■ 99.1265, 0.3112,
0.3284

■ 55.5238, 0.2184,
0.2738

■ 100.0000, 0.3127,
0.3290

■ 51.7149, 0.2110,
0.2647

■ 48.3774, 0.2056,
0.2557

■ 45.7019, 0.2022,
0.2478

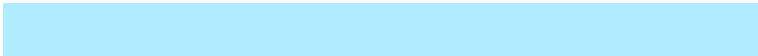
Harmonies

Analogous

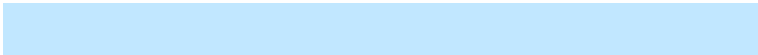
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4410, 0.2740, 0.3302



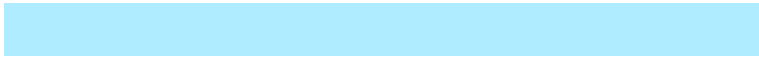
76.4410, 0.2656, 0.3079



76.4410, 0.2692, 0.2926

Triad

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



76.4410, 0.2656, 0.3079



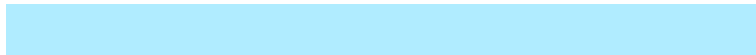
76.4410, 0.3322, 0.3064



76.4410, 0.3410, 0.3732

Complementary

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



76.4410, 0.2656, 0.3079



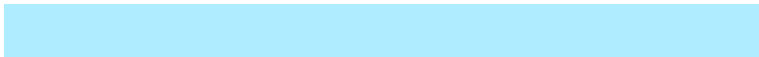
63.3886, 0.3775, 0.3490

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.



76.4410, 0.3578, 0.3645



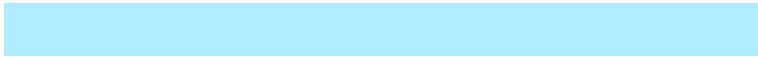
76.4410, 0.2656, 0.3079



76.4410, 0.3528, 0.3259

Square

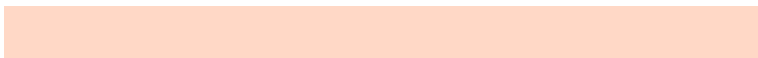
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



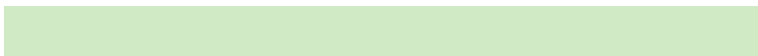
76.4410, 0.2656, 0.3079



76.4410, 0.3068, 0.2925



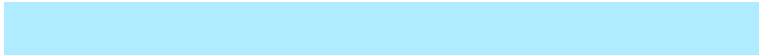
76.4410, 0.3623, 0.3470



76.4410, 0.3170, 0.3693

Rectangle

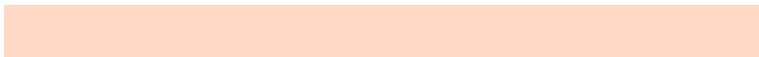
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



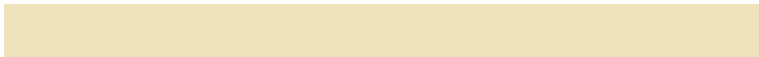
76.4410, 0.2656, 0.3079



76.4410, 0.2779, 0.2879



76.4410, 0.3623, 0.3470



76.4410, 0.3477, 0.3715

Sweetspot

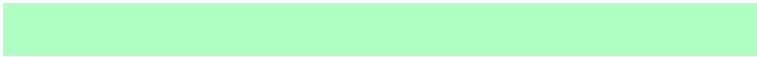
The Sweet Spot groups the original color and five complimentary colors.



76.4440, 0.2656, 0.3079



92.4385, 0.2988, 0.3235



84.6556, 0.2987, 0.3987



19.5362, 0.2965, 0.3225



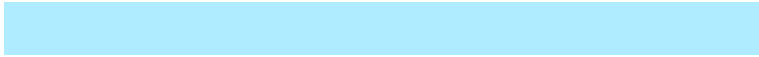
0.0000, 0.0000, 0.0000



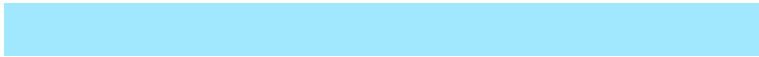
21.4041, 0.3127, 0.3290

Same Dimension

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



76.4440, 0.2656, 0.3079



72.6687, 0.2571, 0.3032



56.3867, 0.2602, 0.2625



19.6988, 0.2980, 0.3232



24.1241, 0.2026, 0.2492



2.5176, 0.2054, 0.2594

Inverse Universe

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



58.3450, 0.3312, 0.2688



52.4734, 0.3358, 0.2571



83.1909, 0.3656, 0.3876



18.2214, 0.3175, 0.3111



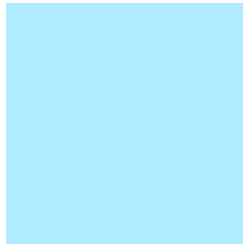
13.1633, 0.3930, 0.1939



1.2987, 0.3830, 0.1883

Previews

White Background



This preview shows how the Yxy color 76.4410, 0.2656, 0.3079 looks on a white background.

Color Contrast Check

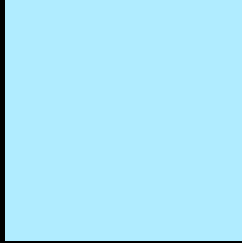
Large Text (above 18pt) WCAG AA × Fail

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 76.4410, 0.2656, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

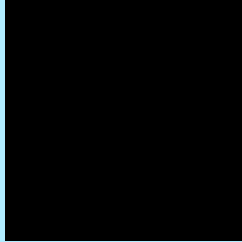
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4410, 0.2656, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 76.4410, 0.2656, 0.3079.

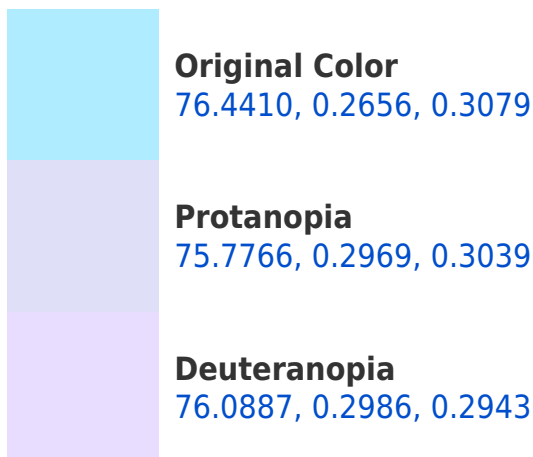


This preview shows how white text looks on a background with the Yxy color 76.4410, 0.2656, 0.3079.

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

76.4410, 0.2656, 0.3079

Trichromacy



Original Color

76.4410, 0.2656, 0.3079

Protanomaly

75.5737, 0.2844, 0.3043

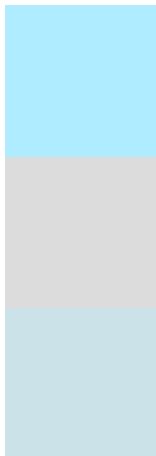
Deuteranomaly

75.6098, 0.2857, 0.2984

Tritanomaly

76.4410, 0.2656, 0.3079

Monochromacy



Original Color

76.4410, 0.2656, 0.3079

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

73.1133, 0.2935, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4410, 0.2656, 0.3079 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(176, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(176, 236, 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(176, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 76.4410, 0.2656, 0.3079 is called "border". The border property can be set on classes, ids or directly on the HTML element.

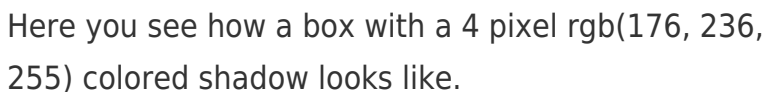
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 236, 255) }
```

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

```
.border{ border-color:rgb(176, 236, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 236, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 236, 255); box-shadow:4px 4px 4px 4px rgb(176, 236, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4410, 0.2656, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 236, 255) }
```

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

```
.background{ background-color: rgb(176,  
236, 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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