

Converting Colors

$Yxy(86.5218, 0.2161, 0.2003)$

Have a look what the booklet for
Yxy(86.5218, 0.2161, 0.2003)
contains.

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Color

Yxy(75.4127, 0.2659, 0.3057)

Conversions

Conversions Part 1

Format	Color
Hex	B1EAFB
RGB	177, 234, 255
RGB Percent	69%, 92%, 100%
CMY	0.3060, 0.0823, 0.0001
CMYK	0.31, 0.08, 0.00, 0.00
HSL	196°, 100%, 85%
HSV	196°, 31%, 100%
XYZ	65.5945, 75.4127, 105.6814
YIQ	219.3510, -40.7130, -5.5530

Conversions

Conversions Part 2

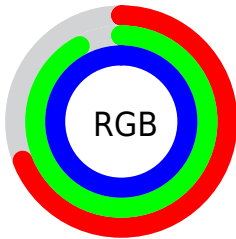
Format	Color
R_{YB}	177, 210, 255
Decimal	11660031
CIE _{Lab}	89.59, -13.26, -15.98
CIE _{LCh}	90, 20.760, 230.313
Yxy	75.4127, 0.2659, 0.3057
Android (android.graphics.Color)	4289850111 (0xFFB1E AFF)
YUV	219.3510, 17.5750, -37.1418
Hunter-Lab	86.8405, -17.1418, -11.3652

Details

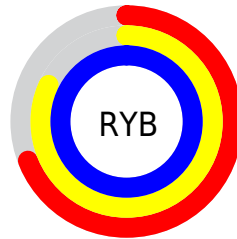
The Yxy color **75.4127, 0.2659, 0.3057** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7817, 0.3757, 0.3510**, and the grayscale version is **70.9881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **40.0556, 0.2556, 0.2999** is the 20% darker color. If you saturate the color by 10%, you get **68.8710, 0.2517, 0.2968**, and if you desaturate by 10%, it is **82.6705, 0.2809, 0.3140**.

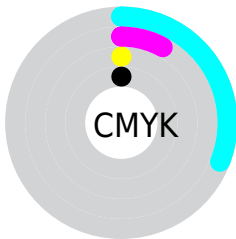
Distribution



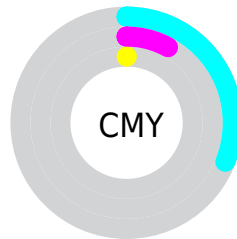
- Red (69%)
- Green (92%)
- Blue (100%)



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



- Cyan (31%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (31%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4127, 0.2659, 0.3057 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 75.4127, 0.2659, 0.3057 by changing the saturation by 10% instead.


 75.4127, 0.2659,
0.3057

 75.4127, 0.2659,
0.3057

479.3349, 0.2871,
0.3167

 55.9511, 0.2612,
0.3031


 126.8964, 0.2731,
0.3096

 40.1637, 0.2555,
0.3000


159.6872, 0.2760,
0.3111

 27.6662, 0.2483,
0.2959


197.6899, 0.2784,
0.3123

 18.0742, 0.2391,
0.2906

241.2888, 0.2806,
0.3134

 11.0033, 0.2270,
0.2833

290.8684, 0.2825,
0.3144

 6.0690, 0.2102,
0.2727

346.8130, 0.2842,

 2.8871, 0.1856,

0.3153

0.2561

409.5070, 0.2857,
0.3160

■ 1.0731, 0.1454,
0.2278

■ 0.0000, 0.0000,
0.0000

■ 75.4127, 0.2659,
0.3057

■ 75.4127, 0.2659,
0.3057

■ 68.8710, 0.2517,
0.2968

■ 82.6705, 0.2809,
0.3140

■ 63.0035, 0.2386,
0.2873

■ 90.6659, 0.2963,
0.3217

■ 57.7772, 0.2269,
0.2774

■ 99.4304, 0.3118,
0.3286

■ 53.1521, 0.2170,
0.2673

■ 99.9982, 0.3127,
0.3290

■ 49.0824, 0.2091,
0.2570

■ 45.5139, 0.2032,
0.2468

■ 42.5341, 0.1993,
0.2374

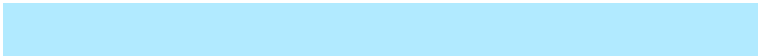
Harmonies

Analogous

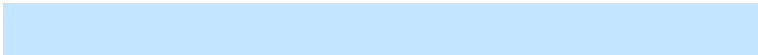
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4127, 0.2727, 0.3271



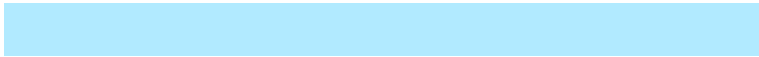
75.4127, 0.2659, 0.3057



75.4127, 0.2710, 0.2918

Triad

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



75.4127, 0.2659, 0.3057



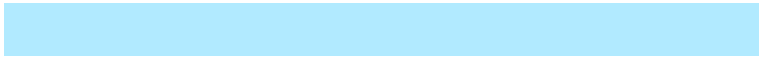
75.4127, 0.3350, 0.3089



75.4127, 0.3379, 0.3729

Complementary

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



75.4127, 0.2659, 0.3057



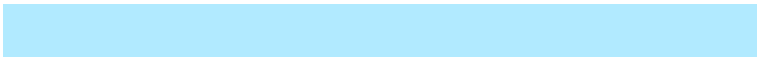
64.7817, 0.3757, 0.3510

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.



75.4127, 0.3557, 0.3658



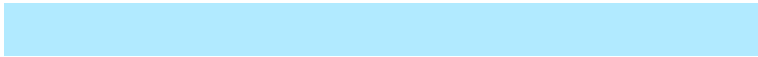
75.4127, 0.2659, 0.3057



75.4127, 0.3543, 0.3287

Square

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



75.4127, 0.2659, 0.3057



75.4127, 0.3102, 0.2942



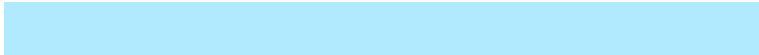
75.4127, 0.3619, 0.3493



75.4127, 0.3137, 0.3674

Rectangle

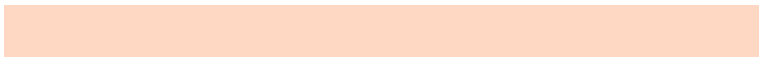
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4127, 0.2659, 0.3057



75.4127, 0.2805, 0.2880



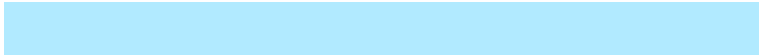
75.4127, 0.3619, 0.3493



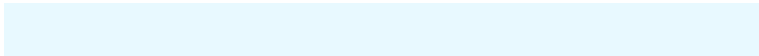
75.4127, 0.3448, 0.3718

Sweetspot

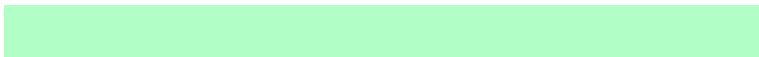
The Sweet Spot groups the original color and five complimentary colors.



75.4157, 0.2659, 0.3057



92.0330, 0.2988, 0.3228



84.9119, 0.2975, 0.3945



19.4359, 0.2965, 0.3218



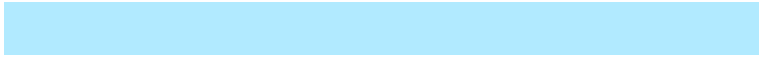
0.0000, 0.0000, 0.0000



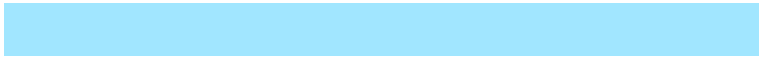
21.4041, 0.3127, 0.3290

Same Dimension

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



75.4157, 0.2659, 0.3057



71.1605, 0.2567, 0.3000



55.6677, 0.2607, 0.2604



19.6073, 0.2980, 0.3225



22.4901, 0.1998, 0.2391



2.3703, 0.2029, 0.2506

Inverse Universe

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



58.6279, 0.3327, 0.2717



52.3212, 0.3381, 0.2595



84.8635, 0.3641, 0.3892



18.2122, 0.3179, 0.3118



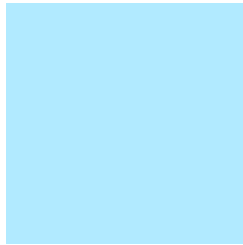
12.9984, 0.4032, 0.1995



1.2838, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 75.4127, 0.2659, 0.3057 looks on a white background.

Color Contrast Check

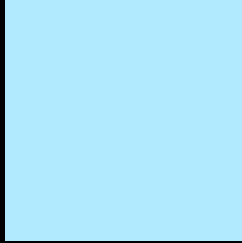
Large Text (above 18pt) WCAG AA × Fail

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 75.4127, 0.2659, 0.3057 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

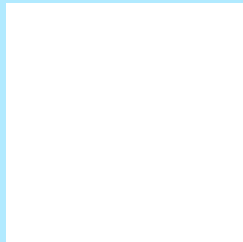
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 75.4127, 0.2659, 0.3057

Background



This preview shows how black text looks on a background with the Yxy color 75.4127, 0.2659, 0.3057.

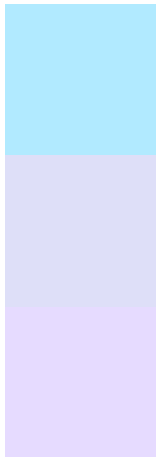


This preview shows how white text looks on a background with the Yxy color 75.4127, 0.2659, 0.3057.

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

75.4127, 0.2659, 0.3057

Protanopia

75.0823, 0.2962, 0.3028

Deuteranopia

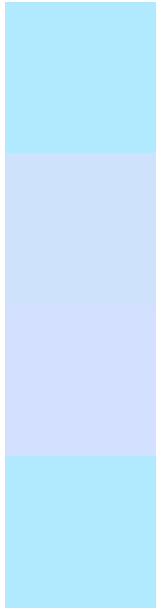
74.7060, 0.2972, 0.2921



Tritanopia

75.2846, 0.2669, 0.3078

Trichromacy



Original Color

75.4127, 0.2659, 0.3057

Protanomaly

75.0250, 0.2843, 0.3033

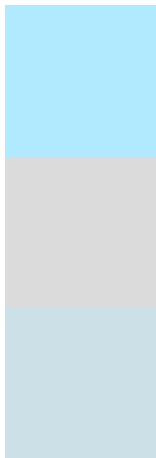
Deuteranomaly

74.3802, 0.2850, 0.2962

Tritanomaly

75.3485, 0.2664, 0.3067

Monochromacy



Original Color

75.4127, 0.2659, 0.3057

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

71.9749, 0.2941, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4127, 0.2659, 0.3057 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(177, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(177, 234, 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(177, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.4127, 0.2659, 0.3057 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(177, 234, 255) }
```

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

```
.border{ border-color:rgb(177, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(177, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(177, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4127, 0.2659, 0.3057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 234, 255) }
```

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

```
.background{ background-color: rgb(177,  
234, 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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