

Converting Colors

$Yxy(78.6071, 0.2427, 0.2671)$

Have a look what the booklet for
Yxy(78.6071, 0.2427, 0.2671)
contains.

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Color

Yxy(75.4264, 0.2609, 0.3076)

Conversions

Conversions Part 1

Format	Color
Hex	A7ECFF
RGB	167, 236, 255
RGB Percent	65%, 93%, 100%
CMY	0.3453, 0.0745, 0.0000
CMYK	0.35, 0.07, 0.00, 0.00
HSL	193°, 100%, 83%
HSV	193°, 35%, 100%
XYZ	63.9751, 75.4264, 105.8078
YIQ	217.5350, -47.2230, -8.7190

Conversions

Conversions Part 2

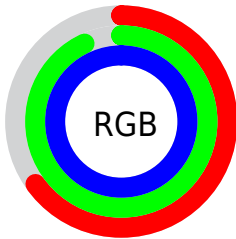
Format	Color
R_{YB}	167, 206, 255
Decimal	11005183
CIE _{Lab}	89.59, -16.95, -16.04
CIE _{LCh}	90, 23.339, 223.424
Yxy	75.4264, 0.2609, 0.3076
Android (android.graphics.Color)	4289195263 (0xFFA7ECFF)
YUV	217.5350, 18.4702, -44.3192
Hunter-Lab	86.8484, -20.4962, -11.4395

Details

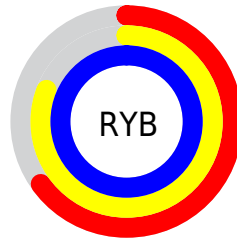
The Yxy color **75.4264, 0.2609, 0.3076** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **59.1387, 0.3882, 0.3492**, and the grayscale version is **69.6630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5873, 0.2940, 0.3289**, and **40.0992, 0.2494, 0.3024** is the 20% darker color. If you saturate the color by 10%, you get **69.8024, 0.2476, 0.3004**, and if you desaturate by 10%, it is **81.6991, 0.2752, 0.3144**.

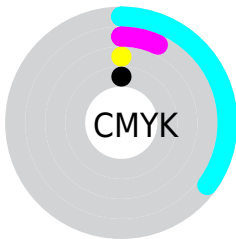
Distribution



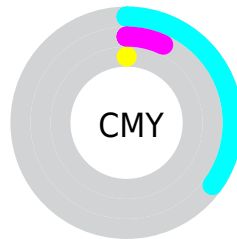
- Red (65%)
- Green (93%)
- Blue (100%)



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



- Cyan (35%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (7%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 75.4264, 0.2609, 0.3076 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 75.4264, 0.2609, 0.3076 by changing the saturation by 10% instead.

 75.4264, 0.2609,
0.3076


 75.4264, 0.2609,
0.3076


 479.3819, 0.2843,
0.3179

 55.9623, 0.2557,
0.3052


 126.9158, 0.2689,
0.3112


 40.1727, 0.2494,
0.3022


 159.7098, 0.2720,
0.3126


 27.6732, 0.2415,
0.2983


 197.7159, 0.2747,
0.3138

 18.0795, 0.2315,
0.2932

 241.3186, 0.2771,
0.3148

 11.0071, 0.2182,
0.2861

 290.9021, 0.2792,
0.3157

 6.0716, 0.2000,
0.2758

 346.8509, 0.2811,

 2.8887, 0.1735,

0.3165

0.2594

409.5493, 0.2828,
0.3172

■ 1.0739, 0.1285,
0.2317

■ 0.0000, 0.0000,
0.0000

■ 75.4264, 0.2609,
0.3076

■ 75.4264, 0.2609,
0.3076

■ 69.8024, 0.2476,
0.3004

■ 81.6991, 0.2752,
0.3144

■ 64.7883, 0.2357,
0.2927

■ 88.6454, 0.2903,
0.3208

■ 60.3494, 0.2255,
0.2848

■ 96.2956, 0.3057,
0.3266

■ 56.4444, 0.2172,
0.2768

100.0000, 0.3127,
0.3290

■ 53.0257, 0.2108,
0.2688

■ 50.0347, 0.2064,
0.2609

■ 48.5346, 0.2046,
0.2566

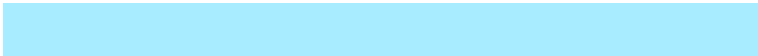
Harmonies

Analogous

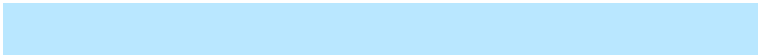
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.4264, 0.2714, 0.3329



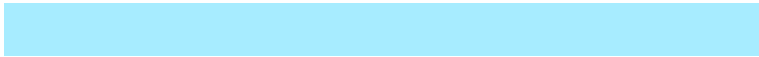
75.4264, 0.2609, 0.3076



75.4264, 0.2635, 0.2898

Triad

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



75.4264, 0.2609, 0.3076



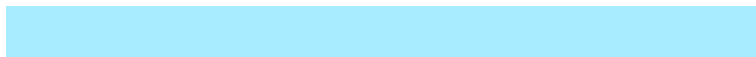
75.4264, 0.3316, 0.3021



75.4264, 0.3464, 0.3778

Complementary

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



75.4264, 0.2609, 0.3076



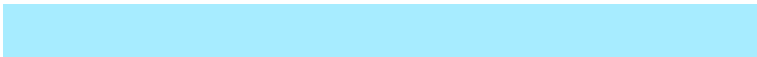
59.1387, 0.3882, 0.3492

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.



75.4264, 0.3640, 0.3666



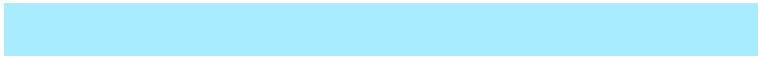
75.4264, 0.2609, 0.3076



75.4264, 0.3555, 0.3232

Square

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



75.4264, 0.2609, 0.3076



75.4264, 0.3033, 0.2876



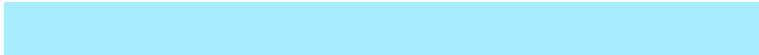
75.4264, 0.3675, 0.3465



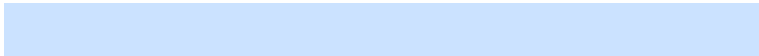
75.4264, 0.3202, 0.3752

Rectangle

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



75.4264, 0.2609, 0.3076



75.4264, 0.2724, 0.2839



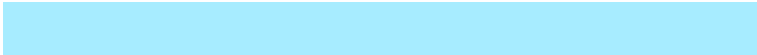
75.4264, 0.3675, 0.3465



75.4264, 0.3535, 0.3754

Sweetspot

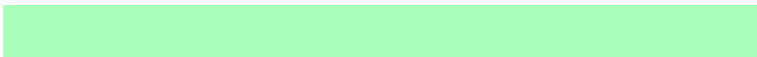
The Sweet Spot groups the original color and five complimentary colors.



75.4283, 0.2609, 0.3076



92.0221, 0.2972, 0.3235



83.2140, 0.2988, 0.4117



19.4689, 0.2950, 0.3226



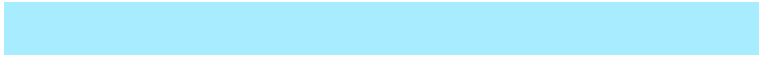
0.0000, 0.0000, 0.0000



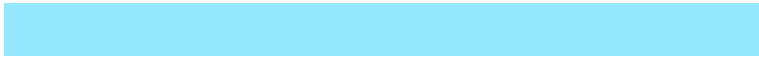
21.4041, 0.3127, 0.3290

Same Dimension

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



75.4283, 0.2609, 0.3076



71.7167, 0.2522, 0.3030



53.7309, 0.2541, 0.2570



19.7775, 0.2980, 0.3238



25.5884, 0.2050, 0.2579



2.6488, 0.2075, 0.2669

Inverse Universe

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



54.9354, 0.3320, 0.2599



49.0687, 0.3367, 0.2471



79.8571, 0.3733, 0.3916



18.2293, 0.3171, 0.3105



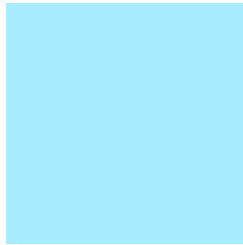
13.3111, 0.3845, 0.1892



1.3119, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 75.4264, 0.2609, 0.3076 looks on a white background.

Color Contrast Check

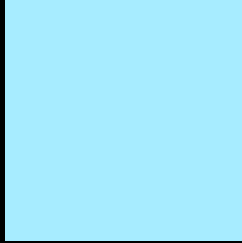
Large Text (above 18pt) WCAG AA × Fail

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 75.4264, 0.2609, 0.3076 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 75.4264, 0.2609, 0.3076

Background



This preview shows how black text looks on a background with the Yxy color 75.4264, 0.2609, 0.3076.

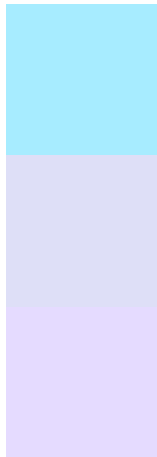


This preview shows how white text looks on a background with the Yxy color 75.4264, 0.2609, 0.3076.

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

75.4264, 0.2609, 0.3076

Protanopia

75.0203, 0.2968, 0.3038

Deuteranopia

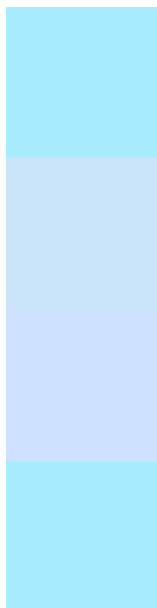
74.5410, 0.2966, 0.2920



Tritanopia

75.4264, 0.2609, 0.3076

Trichromacy



Original Color

75.4264, 0.2609, 0.3076

Protanomaly

74.9455, 0.2824, 0.3052

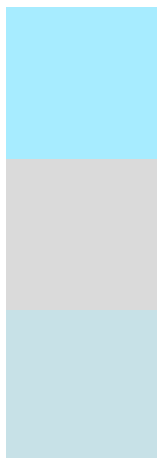
Deuteranomaly

74.1922, 0.2819, 0.2970

Tritanomaly

75.4264, 0.2609, 0.3076

Monochromacy



Original Color

75.4264, 0.2609, 0.3076

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.7621, 0.2914, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.4264, 0.2609, 0.3076 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(167, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 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(167, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.4264, 0.2609, 0.3076 is called "border". The border property can be set on classes, ids or directly on the HTML element.

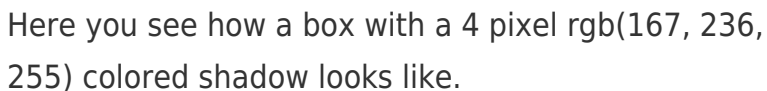
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 236, 255) }
```

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

```
.border{ border-color:rgb(167, 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(167, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 236, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 236, 255); box-shadow:4px 4px 4px 4px rgb(167, 236, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.4264, 0.2609, 0.3076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 236, 255) }
```

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

```
.background{ background-color: rgb(167,  
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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