

Converting Colors

$Yxy(78.2202, 0.2483, 0.2743)$

Have a look what the booklet for
Yxy(78.2202, 0.2483, 0.2743)
contains.

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Color

Yxy(75.9816, 0.2635, 0.3078)

Conversions

Conversions Part 1

Format	Color
Hex	ACECFF
RGB	172, 236, 255
RGB Percent	67%, 93%, 100%
CMY	0.3257, 0.0744, 0.0001
CMYK	0.33, 0.07, 0.00, 0.00
HSL	194°, 100%, 84%
HSV	194°, 33%, 100%
XYZ	65.0460, 75.9816, 105.8262
YIQ	219.0300, -44.2430, -7.6590

Conversions

Conversions Part 2

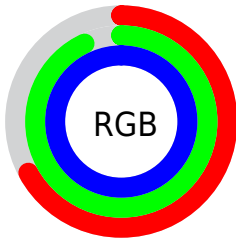
Format	Color
R _Y B	172, 208, 255
Decimal	11332863
CIE Lab	89.85, -15.63, -15.61
CIE LCh	90, 22.092, 224.955
Yxy	75.9816, 0.2635, 0.3078
Android (android.graphics.Color)	4289522943 (0xFFACECFF)
YUV	219.0300, 17.7332, -41.2453
Hunter-Lab	87.1674, -19.3429, -10.9642

Details

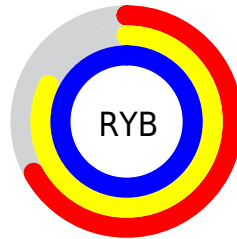
The Yxy color **75.9816, 0.2635, 0.3078** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.4519, 0.3822, 0.3491**, and the grayscale version is **70.7513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **40.5016, 0.2530, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **70.0737, 0.2499, 0.3002**, and if you desaturate by 10%, it is **82.5582, 0.2781, 0.3149**.

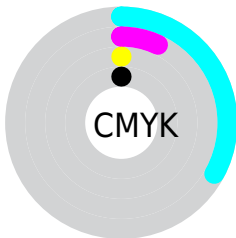
Distribution



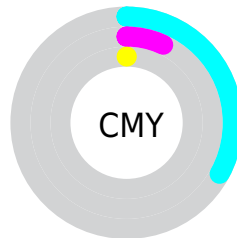
- Red (67%)
- Green (93%)
- Blue (100%)



- Red (67%)
- Yellow (82%)
- Blue (100%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (33%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9816, 0.2635, 0.3078 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 75.9816, 0.2635, 0.3078 by changing the saturation by 10% instead.

 75.9816, 0.2635,
0.3078

 75.9816, 0.2635,
0.3078


481.2847, 0.2857,
0.3179

 56.4174, 0.2586,
0.3054


 127.7009, 0.2711,
0.3114

 40.5377, 0.2526,
0.3025


160.6248, 0.2741,
0.3127

 27.9580, 0.2451,
0.2987


198.7707, 0.2766,
0.3139

 18.2940, 0.2356,
0.2937

242.5231, 0.2789,
0.3149

 11.1613, 0.2229,
0.2869

292.2663, 0.2809,
0.3158

 6.1754, 0.2055,
0.2769

348.3847, 0.2827,

 2.9520, 0.1802,

0.3166

0.2611

411.2627, 0.2843,
0.3173

■ 1.1067, 0.1385,
0.2341

■ 0.0000, 0.0000,
0.0000

■ 75.9816, 0.2635,
0.3078

■ 75.9816, 0.2635,
0.3078

■ 70.0737, 0.2499,
0.3002

■ 82.5582, 0.2781,
0.3149

■ 64.7927, 0.2375,
0.2921

■ 89.8247, 0.2933,
0.3215

■ 60.1055, 0.2268,
0.2838

■ 97.8123, 0.3087,
0.3276

■ 55.9719, 0.2179,
0.2753

99.9986, 0.3127,
0.3290

■ 52.3454, 0.2109,
0.2667

■ 49.1701, 0.2060,
0.2582

■ 47.0412, 0.2033,
0.2520

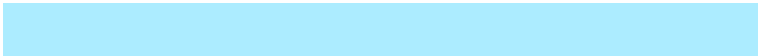
Harmonies

Analogous

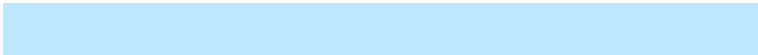
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9816, 0.2728, 0.3314



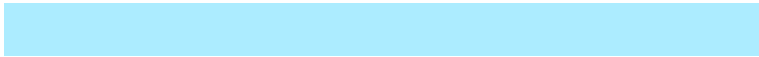
75.9816, 0.2635, 0.3078



75.9816, 0.2666, 0.2914

Triad

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



75.9816, 0.2635, 0.3078



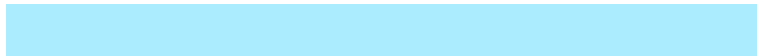
75.9816, 0.3319, 0.3044



75.9816, 0.3434, 0.3752

Complementary

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



75.9816, 0.2635, 0.3078



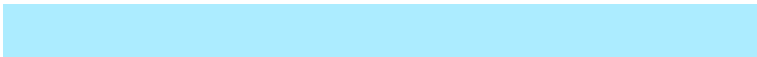
61.4519, 0.3822, 0.3491

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.



75.9816, 0.3606, 0.3654



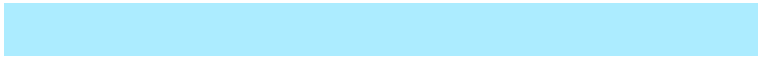
75.9816, 0.2635, 0.3078



75.9816, 0.3539, 0.3247

Square

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



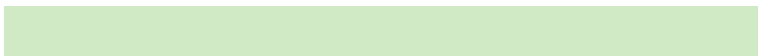
75.9816, 0.2635, 0.3078



75.9816, 0.3052, 0.2903



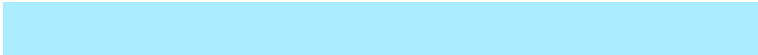
75.9816, 0.3646, 0.3467



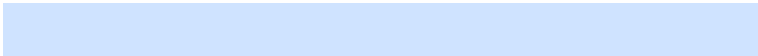
75.9816, 0.3185, 0.3720

Rectangle

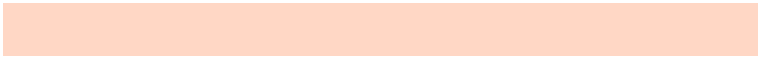
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



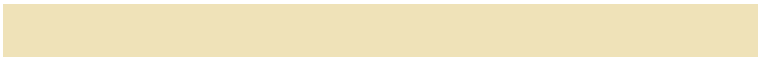
75.9816, 0.2635, 0.3078



75.9816, 0.2754, 0.2862



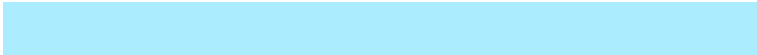
75.9816, 0.3646, 0.3467



75.9816, 0.3503, 0.3733

Sweetspot

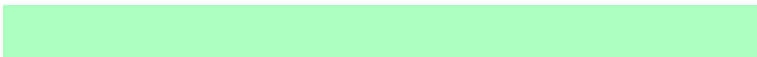
The Sweet Spot groups the original color and five complimentary colors.



75.9846, 0.2635, 0.3078



91.8215, 0.2972, 0.3231



83.9856, 0.2988, 0.4045



19.4202, 0.2950, 0.3223



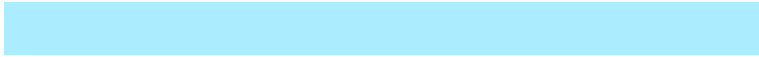
0.0000, 0.0000, 0.0000



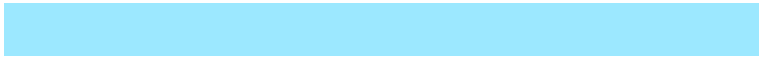
21.4041, 0.3127, 0.3290

Same Dimension

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



75.9846, 0.2635, 0.3078



72.1208, 0.2546, 0.3029



55.2241, 0.2576, 0.2602



19.7366, 0.2980, 0.3234



24.8211, 0.2037, 0.2534



2.5802, 0.2064, 0.2630

Inverse Universe

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



56.7967, 0.3315, 0.2648



50.7290, 0.3363, 0.2522



81.6376, 0.3690, 0.3893



18.2252, 0.3173, 0.3108



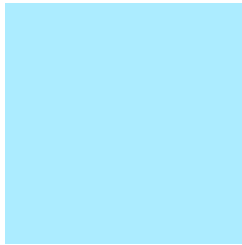
13.2337, 0.3889, 0.1916



1.3050, 0.3795, 0.1864

Previews

White Background



This preview shows how the Yxy color 75.9816, 0.2635, 0.3078 looks on a white background.

Color Contrast Check

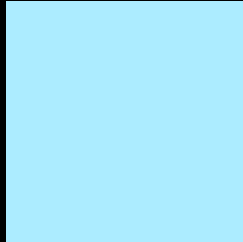
Large Text (above 18pt) WCAG AA × Fail

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 75.9816, 0.2635, 0.3078 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 75.9816, 0.2635, 0.3078

Background



This preview shows how black text looks on a background with the Yxy color 75.9816, 0.2635, 0.3078.

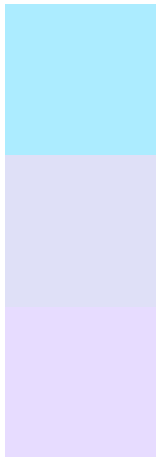


This preview shows how white text looks on a background with the Yxy color 75.9816, 0.2635, 0.3078.

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

75.9816, 0.2635, 0.3078

Protanopia

75.7147, 0.2975, 0.3049

Deuteranopia

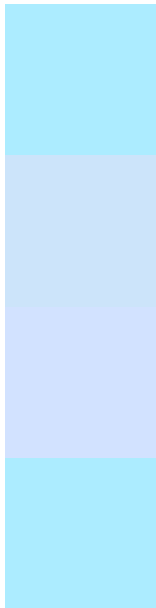
75.3953, 0.2979, 0.2932



Tritanopia

75.9816, 0.2635, 0.3078

Trichromacy



Original Color

75.9816, 0.2635, 0.3078

Protanomaly

75.2263, 0.2837, 0.3053

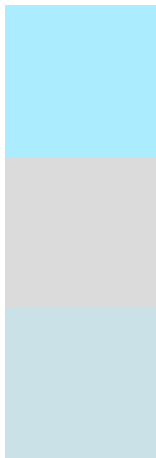
Deuteranomaly

75.3144, 0.2845, 0.2983

Tritanomaly

75.9816, 0.2635, 0.3078

Monochromacy



Original Color

75.9816, 0.2635, 0.3078

Achromatopsia

70.8376, 0.3127, 0.3290

Achromatomaly

72.2332, 0.2928, 0.3212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9816, 0.2635, 0.3078 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(172, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 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(172, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 75.9816, 0.2635, 0.3078 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(172, 236, 255) }
```

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

```
.border{ border-color:rgb(172, 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(172, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9816, 0.2635, 0.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 236, 255) }
```

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

```
.background{ background-color: rgb(172,  
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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