

Converting Colors

$Yxy(75.4828, 0.2701, 0.3090)$

Have a look what the booklet for
Yxy(75.4828, 0.2701, 0.3090)
contains.

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Color

Yxy(75.8190, 0.2702, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	B6EAF0
RGB	182, 234, 252
RGB Percent	71%, 92%, 99%
CMY	0.2860, 0.0824, 0.0117
CMYK	0.28, 0.07, 0.00, 0.01
HSL	195°, 92%, 85%
HSV	195°, 28%, 99%
XYZ	66.2987, 75.8190, 103.2512
YIQ	220.5040, -36.7700, -5.4260

Conversions

Conversions Part 2

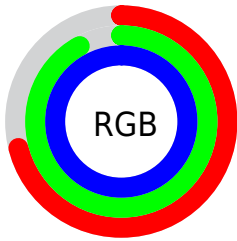
Format	Color
R_{YB}	182, 212, 252
Decimal	11987708
CIE _{Lab}	89.78, -12.50, -14.12
CIE _{LCh}	90, 18.856, 228.488
Yxy	75.8190, 0.2702, 0.3090
Android (android.graphics.Color)	4290177788 (0xFFB6EAFC)
YUV	220.5040, 15.5275, -33.7680
Hunter-Lab	87.0741, -16.4688, -9.3534

Details

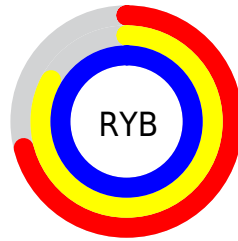
The Yxy color **75.8190, 0.2702, 0.3090** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.4344, 0.3685, 0.3481**, and the grayscale version is **71.8603, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0907, 0.3029, 0.3290**, and **40.2929, 0.2607, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **69.3920, 0.2558, 0.3006**, and if you desaturate by 10%, it is **82.9400, 0.2853, 0.3168**.

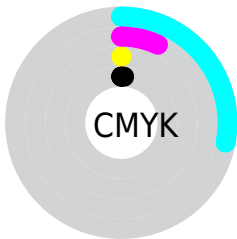
Distribution



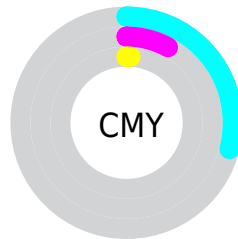
- Red (71%)
- Green (92%)
- Blue (99%)



- Red (71%)
- Yellow (83%)
- Blue (99%)



- Cyan (28%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)





- Cyan (29%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.8190, 0.2702, 0.3090 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 75.8190, 0.2702, 0.3090 by changing the saturation by 10% instead.


 75.8190, 0.2702,
0.3090

 75.8190, 0.2702,
0.3090


480.7279, 0.2894,
0.3185

 56.2841, 0.2659,
0.3068


 127.4710, 0.2768,
0.3123

 40.4308, 0.2607,
0.3041


160.3569, 0.2794,
0.3136

 27.8746, 0.2541,
0.3006

198.4620, 0.2816,
0.3147

 18.2311, 0.2457,
0.2960

242.1705, 0.2836,
0.3156

 11.1160, 0.2346,
0.2897

291.8670, 0.2853,
0.3165

 6.1449, 0.2191,
0.2805

347.9358, 0.2868,

 2.9334, 0.1963,

0.3172

0.2661

410.7613, 0.2882,
0.3179

■ 1.0971, 0.1589,
0.2409

■ 0.0000, 0.0000,
0.0000

■ 75.8190, 0.2702,
0.3090

■ 75.8190, 0.2702,
0.3090

■ 69.3920, 0.2558,
0.3006

■ 82.9400, 0.2853,
0.3168

■ 63.6187, 0.2425,
0.2917

■ 90.7746, 0.3007,
0.3239

■ 58.4684, 0.2306,
0.2823

■ 98.8421, 0.3145,
0.3304

■ 53.9035, 0.2203,
0.2727

■ 99.8096, 0.3144,
0.3318

■ 49.8818, 0.2120,
0.2629

■ 46.3533, 0.2057,
0.2532

■ 43.2523, 0.2013,
0.2436

■ 42.5940, 0.2004,
0.2414

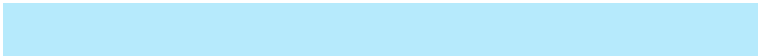
Harmonies

Analogous

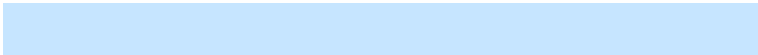
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.8190, 0.2771, 0.3287



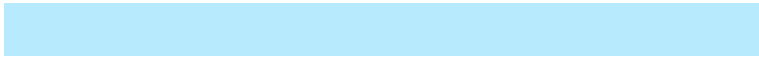
75.8190, 0.2702, 0.3090



75.8190, 0.2742, 0.2957

Triad

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



75.8190, 0.2702, 0.3090



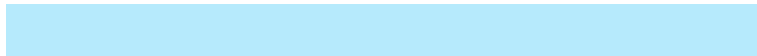
75.8190, 0.3317, 0.3098



75.8190, 0.3368, 0.3687

Complementary

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



75.8190, 0.2702, 0.3090



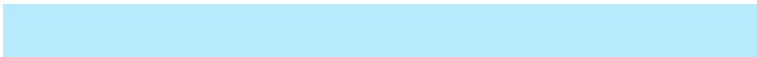
65.4344, 0.3685, 0.3481

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.



75.8190, 0.3524, 0.3617



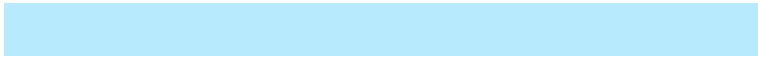
75.8190, 0.2702, 0.3090



75.8190, 0.3495, 0.3277

Square

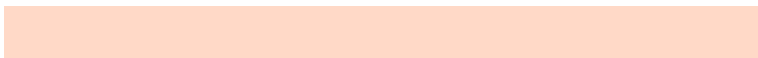
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8190, 0.2702, 0.3090



75.8190, 0.3091, 0.2967



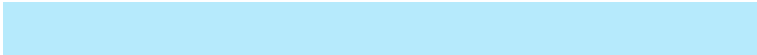
75.8190, 0.3572, 0.3465



75.8190, 0.3151, 0.3643

Rectangle

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



75.8190, 0.2702, 0.3090



75.8190, 0.2825, 0.2919



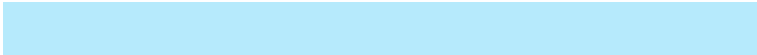
75.8190, 0.3572, 0.3465



75.8190, 0.3430, 0.3675

Sweetspot

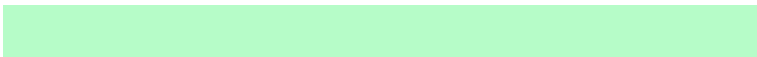
The Sweet Spot groups the original color and five complimentary colors.



75.8220, 0.2702, 0.3090



93.0248, 0.3003, 0.3238



83.7363, 0.2995, 0.3888



19.6421, 0.2980, 0.3227



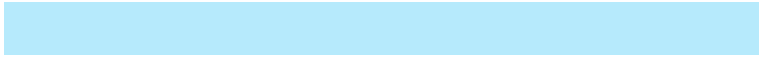
0.0000, 0.0000, 0.0000



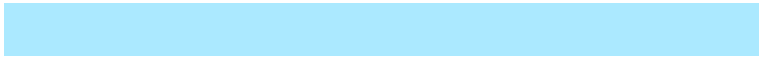
21.4041, 0.3127, 0.3290

Same Dimension

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



75.8220, 0.2702, 0.3090



74.3137, 0.2625, 0.3047



58.0863, 0.2661, 0.2691



18.8067, 0.2980, 0.3227



22.4343, 0.2009, 0.2431



2.2484, 0.2041, 0.2545

Inverse Universe

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



60.1229, 0.3298, 0.2764



56.2300, 0.3339, 0.2662



83.2286, 0.3592, 0.3824



17.4437, 0.3178, 0.3116



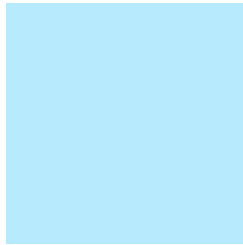
12.6757, 0.3992, 0.1973



1.1912, 0.3877, 0.1910

Previews

White Background



This preview shows how the Yxy color 75.8190, 0.2702, 0.3090 looks on a white background.

Color Contrast Check

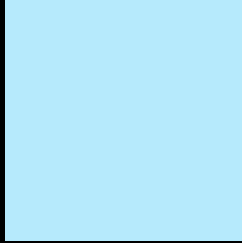
Large Text (above 18pt) WCAG AA × Fail

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 75.8190, 0.2702, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

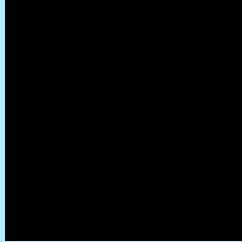
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8190, 0.2702, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 75.8190, 0.2702, 0.3090.

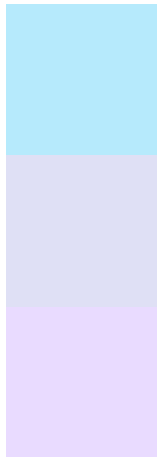


This preview shows how white text looks on a background with the Yxy color 75.8190, 0.2702, 0.3090.

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

75.8190, 0.2702, 0.3090

Protanopia

75.5919, 0.2987, 0.3070

Deuteranopia

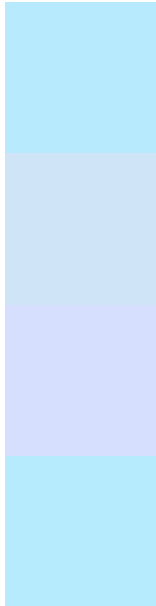
75.2067, 0.2993, 0.2923



Tritanopia

75.8826, 0.2697, 0.3080

Trichromacy



Original Color

75.8190, 0.2702, 0.3090

Protanomaly

75.6740, 0.2873, 0.3075

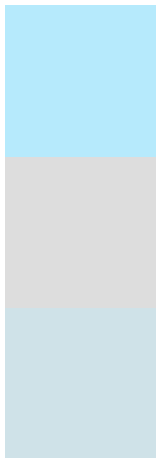
Deuteranomaly

74.7632, 0.2875, 0.2974

Tritanomaly

75.8826, 0.2697, 0.3080

Monochromacy



Original Color

75.8190, 0.2702, 0.3090

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.4843, 0.2961, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8190, 0.2702, 0.3090 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(182, 234, 252)` looks like.

```
.text, #text, p{  
    color:rgb(182, 234, 252)  
}
```

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(182, 234, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 234, 252) }
```

Border

The CSS property to change the border of an element to Yxy 75.8190, 0.2702, 0.3090 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(182, 234, 252) }
```

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

```
.border{ border-color:rgb(182, 234, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 234, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 234, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 234, 252);  
box-shadow:4px 4px 4px 4px rgb(182, 234,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8190, 0.2702, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 234, 252) }
```

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

```
.background{ background-color: rgb(182,  
234, 252) }
```

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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