

Converting Colors

$Yxy(74.6865, 0.2720, 0.3187)$

Have a look what the booklet for
Yxy(74.6865, 0.2720, 0.3187)
contains.

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Color

Yxy(74.6638, 0.2721, 0.3187)

Conversions

Conversions Part 1

Format	Color
Hex	B1EAF3
RGB	177, 234, 243
RGB Percent	69%, 92%, 95%
CMY	0.3056, 0.0824, 0.0470
CMYK	0.27, 0.04, 0.00, 0.05
HSL	188°, 73%, 82%
HSV	188°, 27%, 95%
XYZ	63.7465, 74.6638, 95.8658
YIQ	217.9830, -36.8610, -9.2850

Conversions

Conversions Part 2

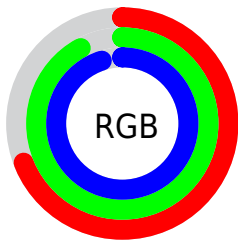
Format	Color
R_{YB}	177, 208, 243
Decimal	11660019
CIE Lab	89.24, -15.93, -10.25
CIE LCh	89, 18.946, 212.749
Yxy	74.6638, 0.2721, 0.3187
Android (android.graphics.Color)	4289850099 (0xFFB1EAF3)
YUV	217.9830, 12.3334, -35.9421
Hunter-Lab	86.4082, -19.5283, -5.2937

Details

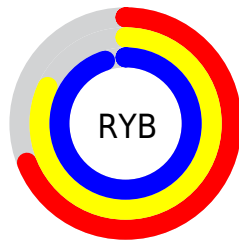
The Yxy color **74.6638, 0.2721, 0.3187** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **57.4010, 0.3691, 0.3390**, and the grayscale version is **70.0428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **39.5662, 0.2625, 0.3155** is the 20% darker color. If you saturate the color by 10%, you get **70.1825, 0.2587, 0.3144**, and if you desaturate by 10%, it is **79.6950, 0.2865, 0.3228**.

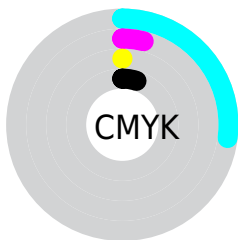
Distribution



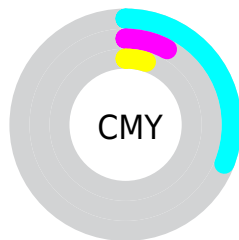
- Red (69%)
- Green (92%)
- Blue (95%)



- Red (69%)
- Yellow (82%)
- Blue (95%)



- Cyan (27%)
- Magenta (4%)
- Yellow (0%)
- Black (5%)



- Cyan (31%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6638, 0.2721, 0.3187 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 74.6638, 0.2721, 0.3187 by changing the saturation by 10% instead.

■ 74.6638, 0.2721,
0.3187

■ 74.6638, 0.2721,
0.3187

■ 476.7612, 0.2906,
0.3237

■ 55.3375, 0.2680,
0.3175

■ 125.8363, 0.2784,
0.3205

■ 39.6720, 0.2629,
0.3160

■ 158.4514, 0.2809,
0.3212

■ 27.2829, 0.2566,
0.3140

■ 196.2648, 0.2831,
0.3218

■ 17.7858, 0.2484,
0.3113

■ 239.6610, 0.2849,
0.3223

■ 10.7963, 0.2375,
0.3075

■ 289.0243, 0.2866,
0.3227

■ 5.9300, 0.2221,
0.3018

■ 344.7392, 0.2881,

■ 2.8026, 0.1993,

0.3231

407.1900, 0.2894,
0.3234

0.2924

1.0296, 0.1564,
0.2763

0.0000, 0.0000,
0.0000

74.6638, 0.2721,
0.3187

74.6638, 0.2721,
0.3187

70.1825, 0.2587,
0.3144

79.6950, 0.2865,
0.3228

66.2150, 0.2466,
0.3098

85.2922, 0.3017,
0.3265

62.7345, 0.2361,
0.3050

91.4820, 0.3172,
0.3299

59.7083, 0.2275,
0.3002

94.4442, 0.3202,
0.3332

■ 57.0990, 0.2208,
0.2953

■ 96.5030, 0.3200,
0.3363

■ 54.8630, 0.2160,
0.2904

■ 98.5983, 0.3197,
0.3395

■ 52.9438, 0.2130,
0.2856

■ 99.2527, 0.3197,
0.3405

■ 52.4278, 0.2123,
0.2842

Harmonies

Analogous

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



74.6638, 0.2843, 0.3399



74.6638, 0.2721, 0.3187



74.6638, 0.2703, 0.3014

Triad

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



74.6638, 0.2721, 0.3187



74.6638, 0.3201, 0.3018



74.6638, 0.3464, 0.3667

Complementary

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



74.6638, 0.2721, 0.3187



57.4010, 0.3691, 0.3390

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.



74.6638, 0.3569, 0.3547



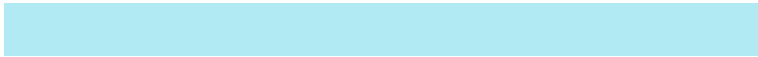
74.6638, 0.2721, 0.3187



74.6638, 0.3414, 0.3178

Square

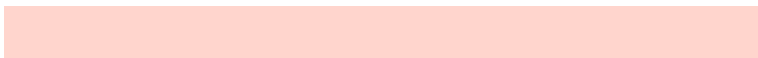
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



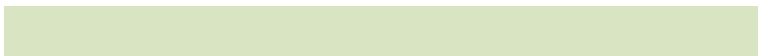
74.6638, 0.2721, 0.3187



74.6638, 0.2974, 0.2926



74.6638, 0.3551, 0.3368



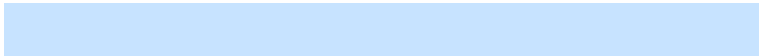
74.6638, 0.3270, 0.3685

Rectangle

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



74.6638, 0.2721, 0.3187



74.6638, 0.2752, 0.2942



74.6638, 0.3551, 0.3368



74.6638, 0.3511, 0.3637

Sweetspot

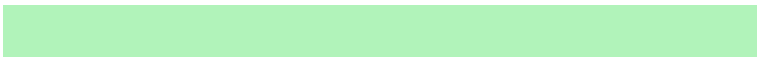
The Sweet Spot groups the original color and five complimentary colors.



74.6668, 0.2721, 0.3187



94.5633, 0.3003, 0.3262



77.0122, 0.3041, 0.3966



20.0318, 0.2980, 0.3257



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.



74.6668, 0.2721, 0.3187



80.2423, 0.2640, 0.3162



57.7205, 0.2683, 0.2801



18.3477, 0.2981, 0.3257



28.9150, 0.2125, 0.2850



2.6460, 0.2142, 0.2910

Inverse Universe

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



56.4717, 0.3229, 0.2699



56.8285, 0.3256, 0.2569



72.8179, 0.3600, 0.3734



16.7269, 0.3159, 0.3088



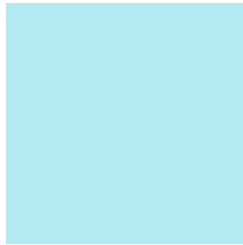
13.0184, 0.3589, 0.1751



1.1548, 0.3534, 0.1720

Previews

White Background



This preview shows how the Yxy color 74.6638, 0.2721, 0.3187 looks on a white background.

Color Contrast Check

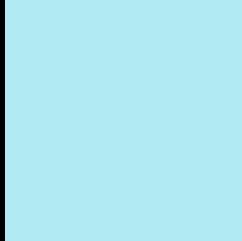
Large Text (above 18pt) WCAG AA × Fail

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 74.6638, 0.2721, 0.3187 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 74.6638, 0.2721, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 74.6638, 0.2721, 0.3187.

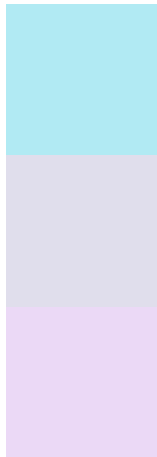


This preview shows how white text looks on a background with the Yxy color 74.6638, 0.2721, 0.3187.

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

74.6638, 0.2721, 0.3187

Protanopia

74.1460, 0.3051, 0.3141

Deuteranopia

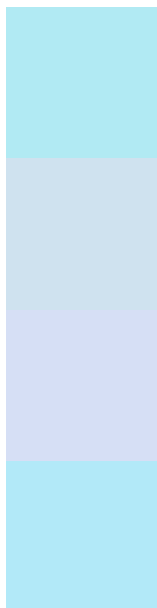
73.9417, 0.3064, 0.2992



Tritanopia

74.8266, 0.2689, 0.3089

Trichromacy



Original Color

74.6638, 0.2721, 0.3187

Protanomaly

73.8901, 0.2919, 0.3148

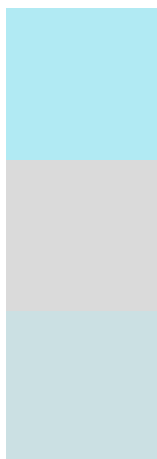
Deuteranomaly

73.6641, 0.2928, 0.3055

Tritanomaly

74.5201, 0.2699, 0.3121

Monochromacy



Original Color

74.6638, 0.2721, 0.3187

Achromatopsia

70.1102, 0.3127, 0.3290

Achromatomaly

71.5539, 0.2965, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6638, 0.2721, 0.3187 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, 243)` looks like.

```
.text, #text, p{  
    color:rgb(177, 234, 243)  
}
```

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, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 234, 243) }
```

Border

The CSS property to change the border of an element to Yxy 74.6638, 0.2721, 0.3187 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, 243) }
```

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

```
.border{ border-color:rgb(177, 234, 243) }
```

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, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 234, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 234, 243);  
box-shadow:4px 4px 4px 4px rgb(177, 234,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6638, 0.2721, 0.3187 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, 243) }
```

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

```
.background{ background-color: rgb(177,  
234, 243) }
```

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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