

# Converting Colors

$Yxy(78.4805, 0.2731, 0.3158)$

Have a look what the booklet for  
Yxy(78.4805, 0.2731, 0.3158)  
contains.

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# Color

**Yxy(78.3655, 0.2733, 0.3157)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9EEFA
RGB	185, 238, 250
RGB Percent	73%, 93%, 98%
CMY	0.2745, 0.0667, 0.0195
CMYK	0.26, 0.05, 0.00, 0.02
HSL	191°, 87%, 85%
HSV	191°, 26%, 98%
XYZ	67.8406, 78.3655, 102.0216
YIQ	223.5210, -35.4400, -7.5040

# Conversions

## Conversions Part 2

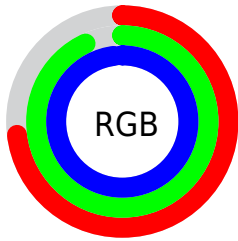
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	185, 214, 250
Decimal	12185338
CIE <sub>Lab</sub>	90.95, -14.13, -11.32
CIE <sub>LCh</sub>	91, 18.107, 218.684
Yxy	78.3655, 0.2733, 0.3157
Android (android.graphics.Color)	4290375418 (0xFFB9EEFA)
YUV	223.5210, 13.0541, -33.7829
Hunter-Lab	88.5243, -18.1239, -6.3630

# Details

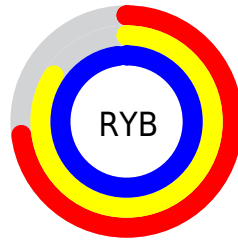
The Yxy color **78.3655, 0.2733, 0.3157** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.7798, 0.3654, 0.3419**, and the grayscale version is **74.1085, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **42.0968, 0.2641, 0.3117** is the 20% darker color. If you saturate the color by 10%, you get **72.8682, 0.2594, 0.3098**, and if you desaturate by 10%, it is **84.4852, 0.2881, 0.3212**.

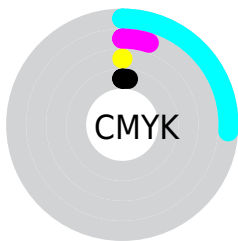
# Distribution



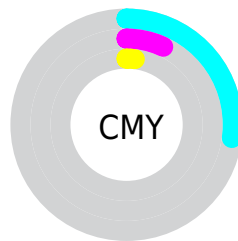
- Red (73%)
- Green (93%)
- Blue (98%)



- Red (73%)
- Yellow (84%)
- Blue (98%)



- Cyan (26%)
- Magenta (5%)
- Yellow (0%)
- Black (2%)




- Cyan (27%)
- Magenta (7%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3655, 0.2733, 0.3157 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 78.3655, 0.2733, 0.3157 by changing the saturation by 10% instead.





 78.3655, 0.2733,  
0.3157

 78.3655, 0.2733,  
0.3157


489.4072, 0.2911,  
0.3220

 58.3743, 0.2694,  
0.3142


 131.0652, 0.2794,  
0.3179

 42.1096, 0.2645,  
0.3124


164.5425, 0.2818,  
0.3188

 29.1871, 0.2585,  
0.3100


203.2840, 0.2838,  
0.3195

 19.2224, 0.2508,  
0.3068

247.6740, 0.2856,  
0.3202

 11.8311, 0.2406,  
0.3025

298.0969, 0.2872,  
0.3207

 6.6288, 0.2265,  
0.2961

354.9371, 0.2886,

 3.2310, 0.2056,

0.3212

0.2859

418.5791, 0.2899,  
0.3217

1.2535, 0.1722,  
0.2675

0.1048, 0.0000,  
0.1037

78.3655, 0.2733,  
0.3157

78.3655, 0.2733,  
0.3157

72.8682, 0.2594,  
0.3098

84.4852, 0.2881,  
0.3212

67.9545, 0.2466,  
0.3036

91.2448, 0.3034,  
0.3262

63.5960, 0.2353,  
0.2971

97.7107, 0.3158,  
0.3308

59.7575, 0.2258,  
0.2904

99.6844, 0.3156,  
0.3337

■ 56.3993, 0.2182,  
0.2836

■ 53.4751, 0.2126,  
0.2768

■ 50.9275, 0.2088,  
0.2701

■ 49.9822, 0.2076,  
0.2675

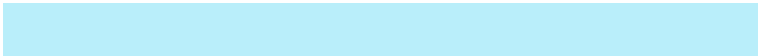
# Harmonies

## Analogous

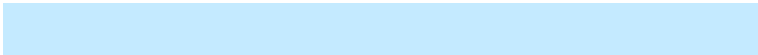
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3655, 0.2830, 0.3353



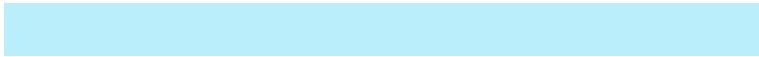
78.3655, 0.2733, 0.3157



78.3655, 0.2737, 0.3006

# Triad

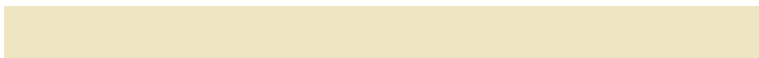
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3655, 0.2733, 0.3157



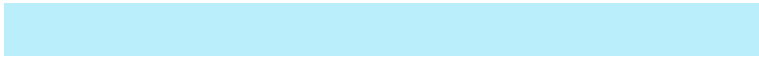
78.3655, 0.3239, 0.3060



78.3655, 0.3414, 0.3656

# Complementary

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



78.3655, 0.2733, 0.3157



63.7798, 0.3654, 0.3419

# 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.



78.3655, 0.3532, 0.3561



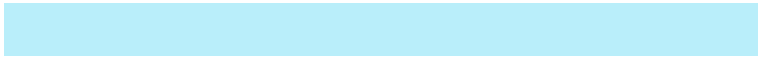
78.3655, 0.2733, 0.3157



78.3655, 0.3430, 0.3219

# Square

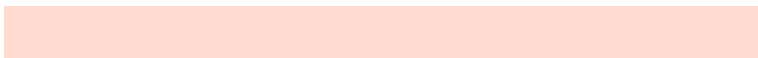
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



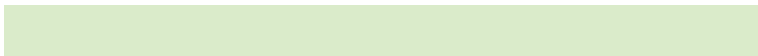
78.3655, 0.2733, 0.3157



78.3655, 0.3023, 0.2958



78.3655, 0.3538, 0.3400



78.3655, 0.3220, 0.3651

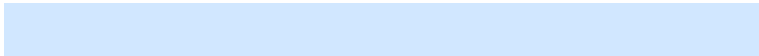


# Rectangle

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



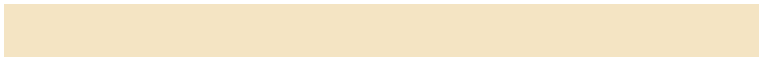
78.3655, 0.2733, 0.3157



78.3655, 0.2796, 0.2950



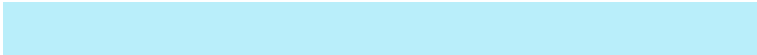
78.3655, 0.3538, 0.3400



78.3655, 0.3464, 0.3634

# Sweetspot

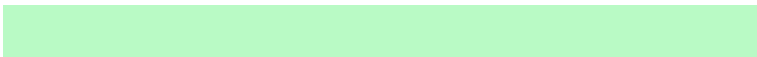
The Sweet Spot groups the original color and five complimentary colors.



78.3687, 0.2733, 0.3157



93.9495, 0.3003, 0.3252



82.7353, 0.3027, 0.3896



19.8762, 0.2980, 0.3245



0.0000, 0.0000, 0.0000

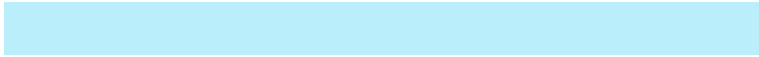


21.4041, 0.3127, 0.3290

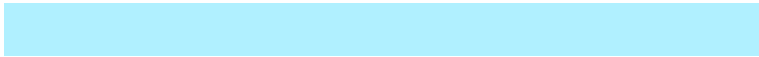


# Same Dimension

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



78.3687, 0.2733, 0.3157



78.9846, 0.2662, 0.3128



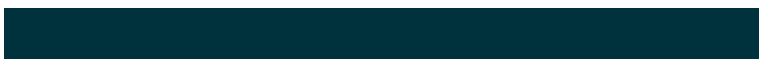
61.1649, 0.2698, 0.2786



19.0303, 0.2980, 0.3245



26.7015, 0.2080, 0.2686



2.6097, 0.2102, 0.2766



# Inverse Universe

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



61.2004, 0.3248, 0.2753



58.6046, 0.3277, 0.2647



80.1161, 0.3571, 0.3747



17.4662, 0.3166, 0.3099



13.1064, 0.3742, 0.1835

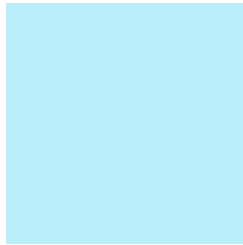


1.2277, 0.3666, 0.1793



# Previews

## White Background



This preview shows how the Yxy color 78.3655, 0.2733, 0.3157 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

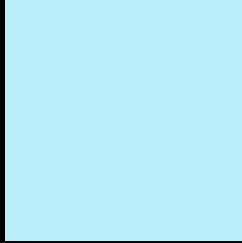
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3655, 0.2733, 0.3157 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

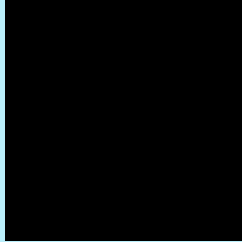
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 78.3655, 0.2733, 0.3157**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.3655, 0.2733, 0.3157.

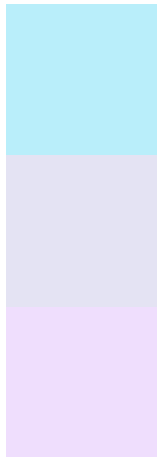


This preview shows how white text looks on a background with the Yxy color 78.3655, 0.2733, 0.3157.

# 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

78.3655, 0.2733, 0.3157

### Protanopia

77.9032, 0.3033, 0.3124

### Deuteranopia

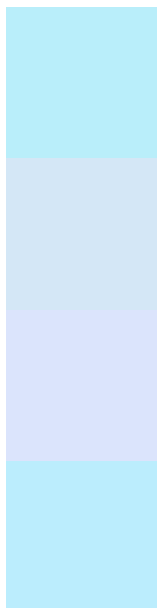
77.6851, 0.3045, 0.2978



## Tritanopia

78.4797, 0.2723, 0.3094

# Trichromacy



## Original Color

78.3655, 0.2733, 0.3157

## Protanomaly

77.8027, 0.2911, 0.3130

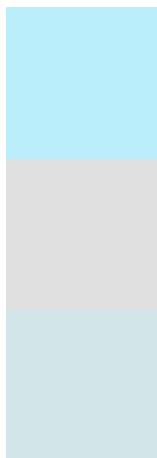
## Deuteranomaly

77.5751, 0.2920, 0.3039

## Tritanomaly

78.2250, 0.2728, 0.3115

# Monochromacy



## Original Color

78.3655, 0.2733, 0.3157

## Achromatopsia

74.5404, 0.3127, 0.3290

## Achromatomaly

75.6235, 0.2975, 0.3246

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3655, 0.2733, 0.3157 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(185, 238, 250)` looks like.

```
.text, #text, p{  
    color:rgb(185, 238, 250)  
}
```

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(185, 238, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 238, 250) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3655, 0.2733, 0.3157 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(185, 238, 250) }
```

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

```
.border{ border-color:rgb(185, 238, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 238, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 238, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 238, 250);  
box-shadow:4px 4px 4px 4px rgb(185, 238,  
250) }
```



# Background

The CSS property to change the background color of an element to `rgb(78.3655, 0.2733, 0.3157)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 238, 250) }
```

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

```
.background{ background-color: rgb(185,  
238, 250) }
```

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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