

Converting Colors

$Y_{xy}(74.4270, 0.2710, 0.3260)$

Have a look what the booklet for
Yxy(74.4270, 0.2710, 0.3260)
contains.

Yxy(74.7100, 0.2711, 0.3266)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(74.7100, 0.2711, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	AAECEE
RGB	170, 236, 238
RGB Percent	67%, 93%, 93%
CMY	0.3331, 0.0745, 0.0667
CMYK	0.29, 0.01, 0.00, 0.07
HSL	182°, 67%, 80%
HSV	182°, 29%, 93%
XYZ	62.0143, 74.7100, 92.0264
YIQ	216.4940, -39.9780, -13.3700

Conversions

Conversions Part 2

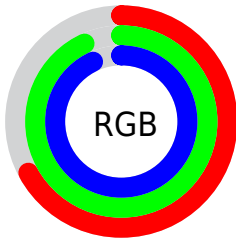
Format	Color
R _Y B	170, 203, 238
Decimal	11201774
CIE Lab	89.26, -20.03, -7.62
CIE LCh	89, 21.428, 200.824
Yxy	74.7100, 0.2711, 0.3266
Android (android.graphics.Color)	4289391854 (0xFFAAECEE)
YUV	216.4940, 10.6025, -40.7752
Hunter-Lab	86.4349, -23.1931, -2.6210

Details

The Yxy color **74.7100, 0.2711, 0.3266** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **50.6073, 0.3751, 0.3314**, and the grayscale version is **68.9809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0709, 0.2958, 0.3290**, and **39.6648, 0.2615, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **71.8943, 0.2588, 0.3257**, and if you desaturate by 10%, it is **78.0134, 0.2848, 0.3275**.

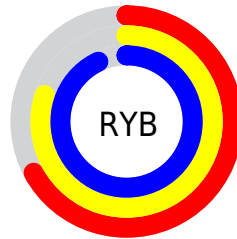
Distribution



Red (67%)

Green (93%)

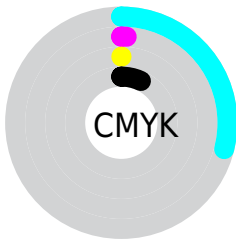
Blue (93%)



Red (67%)

Yellow (80%)

Blue (93%)

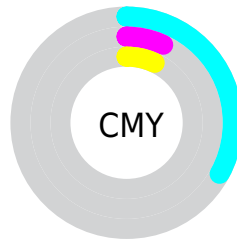


Cyan (29%)

Magenta (1%)

Yellow (0%)

Black (7%)



Cyan (33%)


Magenta (7%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.7100, 0.2711, 0.3266 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 74.7100, 0.2711, 0.3266 by changing the saturation by 10% instead.


 74.7100, 0.2711,
0.3266

 74.7100, 0.2711,
0.3266


476.9202, 0.2900,
0.3280

 55.3753, 0.2669,
0.3262


 125.9018, 0.2776,
0.3271

 39.7023, 0.2617,
0.3257


158.5277, 0.2802,
0.3273

 27.3065, 0.2551,
0.3250


196.3528, 0.2824,
0.3275

 17.8036, 0.2467,
0.3240

239.7615, 0.2843,
0.3276

 10.8090, 0.2354,
0.3224

289.1382, 0.2860,
0.3278

 5.9386, 0.2196,
0.3198

344.8673, 0.2875,

 2.8078, 0.1960,

0.3279

407.3332, 0.2888,
0.3279

0.3151

1.0322, 0.1452,
0.3090

0.0000, 0.0000,
0.0000

74.7100, 0.2711,
0.3266

74.7100, 0.2711,
0.3266

71.8943, 0.2588,
0.3257

78.0134, 0.2848,
0.3275

69.5315, 0.2480,
0.3247

81.8194, 0.2995,
0.3283

67.5961, 0.2391,
0.3237

86.1534, 0.3150,
0.3291

66.0565, 0.2321,
0.3227

89.0375, 0.3240,
0.3298

■ 64.8770, 0.2271,
0.3217

■ 89.4461, 0.3240,
0.3305

■ 64.0151, 0.2239,
0.3207

■ 89.8562, 0.3239,
0.3312

■ 63.4094, 0.2223,
0.3198

■ 90.2680, 0.3238,
0.3319

■ 63.3298, 0.2221,
0.3197

■ 90.6812, 0.3238,
0.3325

■ 91.0961, 0.3237,
0.3332

Harmonies

Analogous

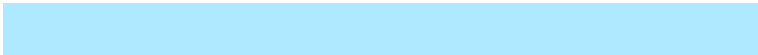
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7100, 0.2888, 0.3506



74.7100, 0.2711, 0.3266



74.7100, 0.2643, 0.3045

Triad

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



74.7100, 0.2711, 0.3266



74.7100, 0.3105, 0.2933



74.7100, 0.3570, 0.3673

Complementary

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



74.7100, 0.2711, 0.3266



50.6073, 0.3751, 0.3314

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.



74.7100, 0.3637, 0.3503



74.7100, 0.2711, 0.3266



74.7100, 0.3362, 0.3085

Square

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



74.7100, 0.2711, 0.3266



74.7100, 0.2863, 0.2866



74.7100, 0.3560, 0.3290



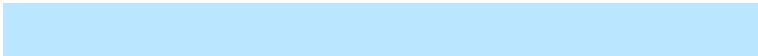
74.7100, 0.3383, 0.3745

Rectangle

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



74.7100, 0.2711, 0.3266



74.7100, 0.2666, 0.2939



74.7100, 0.3560, 0.3290



74.7100, 0.3608, 0.3624

Sweetspot

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



74.7130, 0.2711, 0.3266



95.4759, 0.2988, 0.3283



72.6411, 0.3082, 0.4105



20.2894, 0.2966, 0.3282



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

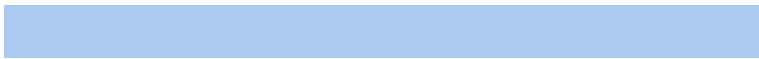
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7130, 0.2711, 0.3266



85.4878, 0.2640, 0.3261



57.3884, 0.2669, 0.2871



17.8448, 0.2981, 0.3283



35.3727, 0.2222, 0.3198



2.9675, 0.2225, 0.3211

Inverse Universe

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



53.0060, 0.3176, 0.2599



56.4336, 0.3187, 0.2465



64.8178, 0.3650, 0.3675



16.0230, 0.3143, 0.3064



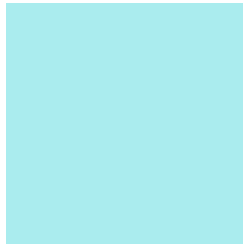
13.3643, 0.3284, 0.1583



1.1143, 0.3273, 0.1577

Previews

White Background



This preview shows how the Yxy color 74.7100, 0.2711, 0.3266 looks on a white background.

Color Contrast Check

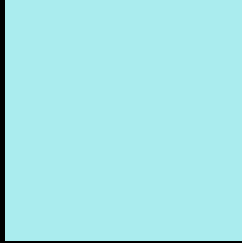
Large Text (above 18pt) WCAG AA × Fail

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 74.7100, 0.2711, 0.3266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

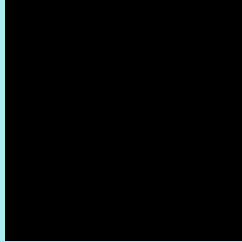
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.7100, 0.2711, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 74.7100, 0.2711, 0.3266.

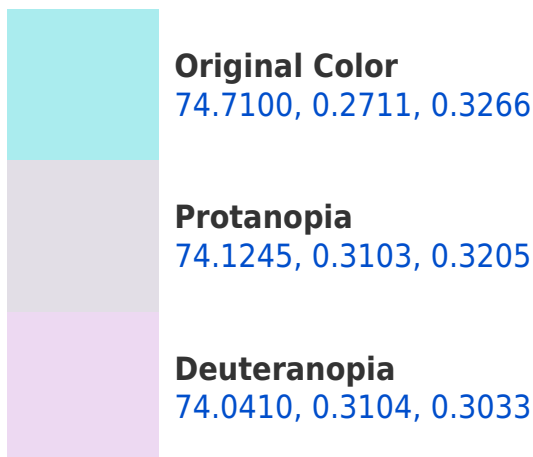


This preview shows how white text looks on a background with the Yxy color 74.7100, 0.2711, 0.3266.

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





Tritanopia

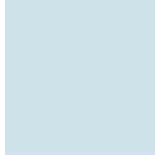
74.7581, 0.2653, 0.3088

Trichromacy



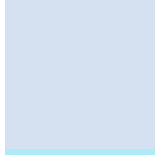
Original Color

74.7100, 0.2711, 0.3266



Protanomaly

73.9432, 0.2949, 0.3224



Deuteranomaly

73.8083, 0.2946, 0.3107



Tritanomaly

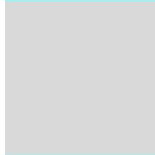
74.9027, 0.2674, 0.3154

Monochromacy



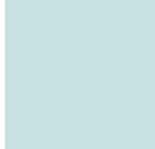
Original Color

74.7100, 0.2711, 0.3266



Achromatopsia

69.3872, 0.3127, 0.3290



Achromatomaly

71.0269, 0.2957, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7100, 0.2711, 0.3266 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(170, 236, 238)` looks like.

```
.text, #text, p{  
    color:rgb(170, 236, 238)  
}
```

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(170, 236, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 236, 238) }
```

Border

The CSS property to change the border of an element to Yxy 74.7100, 0.2711, 0.3266 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(170, 236, 238) }
```

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

```
.border{ border-color:rgb(170, 236, 238) }
```

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

Here you see how a box with a 4 pixel rgb(170, 236, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 236, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 236, 238);  
box-shadow:4px 4px 4px 4px rgb(170, 236,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 74.7100, 0.2711, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 236, 238) }
```

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

```
.background{ background-color: rgb(170,  
236, 238) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor