

# Converting Colors

Yxy(76.9114, 0.2962, 0.3444)

Have a look what the booklet for  
Yxy(76.9114, 0.2962, 0.3444)  
contains.

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# Color

**Yxy(77.1351, 0.2958, 0.3446)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5ECDE
RGB	197, 236, 222
RGB Percent	77%, 93%, 87%
CMY	0.2273, 0.0745, 0.1295
CMYK	0.17, 0.00, 0.06, 0.07
HSL	158°, 51%, 85%
HSV	158°, 17%, 93%
XYZ	66.2117, 77.1351, 80.4927
YIQ	222.7430, -18.7500, -12.6220

# Conversions

## Conversions Part 2

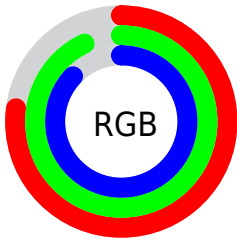
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 221, 236
Decimal	12971230
CIELab	90.38, -15.31, 2.58
CIELCh	90, 15.530, 170.438
Yxy	77.1351, 0.2958, 0.3446
Android (android.graphics.Color)	4291161310 (0xFFC5ECDE)
YUV	222.7430, -0.3663, -22.5766
Hunter-Lab	87.8266, -19.1269, 7.1396

# Details

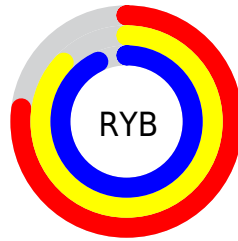
The Yxy color **77.1351, 0.2958, 0.3446** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.4895, 0.3332, 0.3139**, and the grayscale version is **73.6185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **41.2722, 0.2919, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **73.7532, 0.2862, 0.3554**, and if you desaturate by 10%, it is **81.0451, 0.3059, 0.3348**.

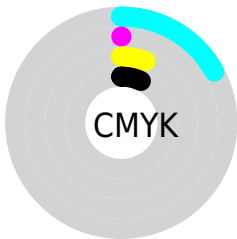
# Distribution



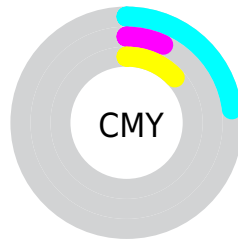
- Red (77%)
- Green (93%)
- Blue (87%)



- Red (77%)
- Yellow (87%)
- Blue (93%)



- Cyan (17%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (23%)
- Magenta (7%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.1351, 0.2958, 0.3446 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 77.1351, 0.2958, 0.3446 by changing the saturation by 10% instead.



77.1351, 0.2958,  
0.3446

77.1351, 0.2958,  
0.3446

485.2245, 0.3036,  
0.3374

57.3638, 0.2940,  
0.3462

129.3302, 0.2985,  
0.3421

41.2974, 0.2918,  
0.3483

162.5227, 0.2995,  
0.3411

28.5515, 0.2891,  
0.3509

200.9577, 0.3004,  
0.3403

18.7418, 0.2855,  
0.3543

245.0197, 0.3012,  
0.3396

11.4839, 0.2806,  
0.3589

295.0930, 0.3019,  
0.3389

6.3933, 0.2736,  
0.3656


351.5619, 0.3025,


3.0857, 0.2627,


0.3383


414.8110, 0.3031,  
0.3378


0.3762


 1.1766, 0.2420,  
0.3961

 0.0425, 0.0000,  
1.0000

 77.1351, 0.2958,  
0.3446


 77.1351, 0.2958,  
0.3446


 73.7532, 0.2862,  
0.3554


 81.0451, 0.3059,  
0.3348


 70.8664, 0.2775,  
0.3671

 85.4954, 0.3164,  
0.3260

 68.4524, 0.2699,  
0.3797

 87.9929, 0.3183,  
0.3179

 66.4837, 0.2638,  
0.3930

 88.4695, 0.3136,  
0.3107

■ 64.9298, 0.2594,  
0.4068

■ 63.7561, 0.2571,  
0.4208

■ 62.9224, 0.2568,  
0.4348

■ 62.3778, 0.2584,  
0.4486

■ 62.2270, 0.2593,  
0.4533

# Harmonies

## Analogous

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



77.1351, 0.3136, 0.3571



77.1351, 0.2958, 0.3446



77.1351, 0.2828, 0.3277

# Triad

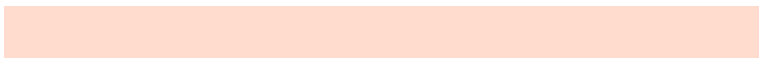
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.1351, 0.2958, 0.3446



77.1351, 0.2936, 0.2982



77.1351, 0.3491, 0.3445

# Complementary

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



77.1351, 0.2958, 0.3446



62.4895, 0.3332, 0.3139

# 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.



77.1351, 0.3435, 0.3291



77.1351, 0.2958, 0.3446



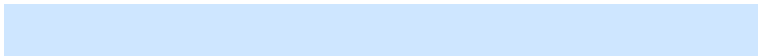
77.1351, 0.3110, 0.3029

# Square

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



77.1351, 0.2958, 0.3446



77.1351, 0.2815, 0.3013



77.1351, 0.3294, 0.3140



77.1351, 0.3446, 0.3565



# Rectangle

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



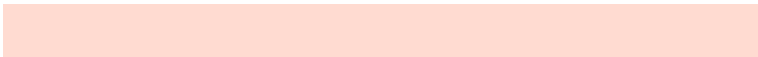
77.1351, 0.2958, 0.3446



77.1351, 0.2784, 0.3167



77.1351, 0.3294, 0.3140



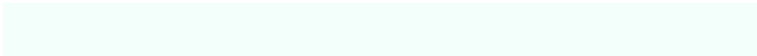
77.1351, 0.3483, 0.3396

# Sweetspot

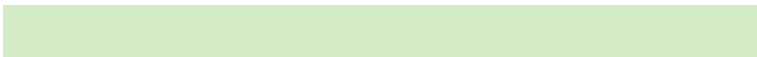
The Sweet Spot groups the original color and five complimentary colors.



77.1383, 0.2958, 0.3446



97.3696, 0.3075, 0.3335



77.9195, 0.3203, 0.3723



20.7648, 0.3068, 0.3341



0.0000, 0.0000, 0.0000

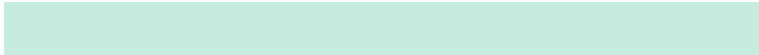


21.4041, 0.3127, 0.3290

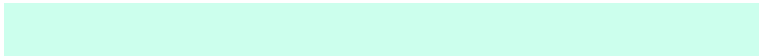


# Same Dimension

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



77.1383, 0.2958, 0.3446



90.4515, 0.2923, 0.3483



74.9736, 0.2875, 0.3232



17.0246, 0.3029, 0.3376



34.3271, 0.2586, 0.4511



2.7138, 0.2534, 0.4321



# Inverse Universe

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



62.4895, 0.3332, 0.3139



69.7383, 0.3387, 0.3105



64.2170, 0.3433, 0.3347



15.1436, 0.3236, 0.3206



10.2130, 0.5536, 0.2823

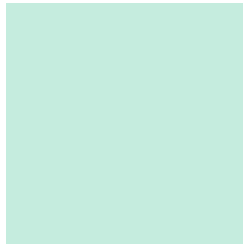


0.8198, 0.5153, 0.2613



# Previews

## White Background



This preview shows how the Yxy color 77.1351, 0.2958, 0.3446 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

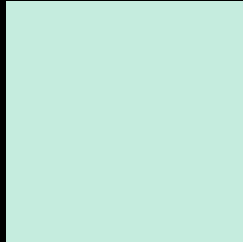
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 77.1351, 0.2958, 0.3446 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

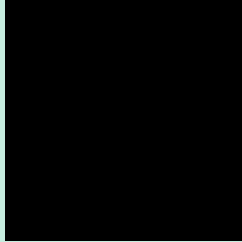
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

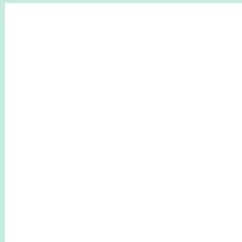
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 77.1351, 0.2958, 0.3446**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.1351, 0.2958, 0.3446.

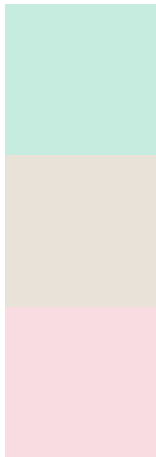


This preview shows how white text looks on a background with the Yxy color 77.1351, 0.2958, 0.3446.

# 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

77.1351, 0.2958, 0.3446

### Protanopia

76.6742, 0.3242, 0.3396

### Deuteranopia

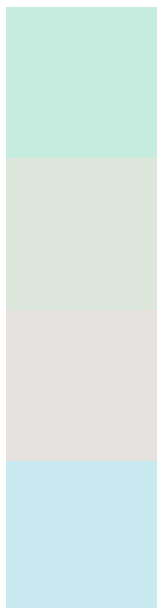
76.7624, 0.3303, 0.3240



## Tritanopia

77.1719, 0.2827, 0.3096

# Trichromacy



## Original Color

77.1351, 0.2958, 0.3446

## Protanomaly

76.8712, 0.3135, 0.3420

## Deuteranomaly

76.5975, 0.3168, 0.3311

## Tritanomaly

76.8485, 0.2872, 0.3213

# Monochromacy



## Original Color

77.1351, 0.2958, 0.3446

## Achromatopsia

73.7910, 0.3127, 0.3290

## Achromatomaly

75.1107, 0.3063, 0.3344

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.1351, 0.2958, 0.3446 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(197, 236, 222)` looks like.

```
.text, #text, p{  
    color:rgb(197, 236, 222)  
}
```

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(197, 236, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 236, 222) }
```

## Border

The CSS property to change the border of an element to Yxy 77.1351, 0.2958, 0.3446 is called "border". The border property can be set on classes, ids or directly on the HTML element.

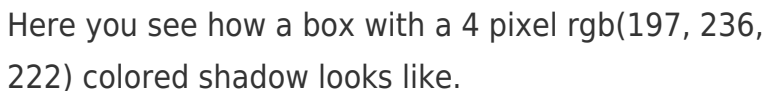
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 236, 222) }
```

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

```
.border{ border-color:rgb(197, 236, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 236, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 236, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 236, 222); box-shadow:4px 4px 4px 4px rgb(197, 236, 222) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.1351, 0.2958, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 236, 222) }
```

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

```
.background{ background-color: rgb(197,  
236, 222) }
```

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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