

Converting Colors

$Yxy(77.8924, 0.2892, 0.3270)$

Have a look what the booklet for
Yxy(77.8924, 0.2892, 0.3270)
contains.

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Color

Yxy(77.8104, 0.2890, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	C8EBED
RGB	200, 235, 237
RGB Percent	78%, 92%, 93%
CMY	0.2154, 0.0785, 0.0705
CMYK	0.16, 0.01, 0.00, 0.07
HSL	183°, 51%, 86%
HSV	183°, 16%, 93%
XYZ	68.8314, 77.8104, 91.5290
YIQ	224.7630, -21.5020, -6.7980

Conversions

Conversions Part 2

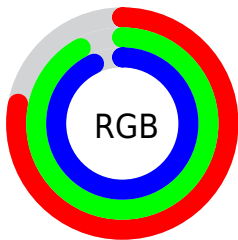
Format	Color
R _Y B	200, 218, 237
Decimal	13167597
CIE Lab	90.69, -10.88, -4.80
CIE LCh	91, 11.890, 203.809
Yxy	77.8104, 0.2890, 0.3267
Android (android.graphics.Color)	4291357677 (0xFFC8EBED)
YUV	224.7630, 6.0328, -21.7172
Hunter-Lab	88.2102, -15.0824, 0.2264

Details

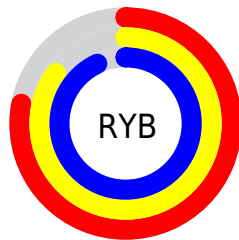
The Yxy color **77.8104, 0.2890, 0.3267** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4786, 0.3418, 0.3313**, and the grayscale version is **75.0954, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.6874, 0.2840, 0.3261** is the 20% darker color. If you saturate the color by 10%, you get **74.0510, 0.2749, 0.3251**, and if you desaturate by 10%, it is **82.0877, 0.3040, 0.3282**.

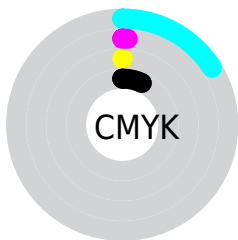
Distribution



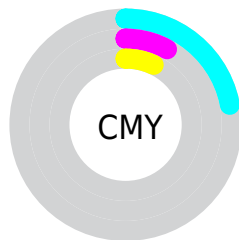
- Red (78%)
- Green (92%)
- Blue (93%)



- Red (78%)
- Yellow (85%)
- Blue (93%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (8%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.8104, 0.2890, 0.3267 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 77.8104, 0.2890, 0.3267 by changing the saturation by 10% instead.

■ 77.8104, 0.2890,
0.3267

■ 77.8104, 0.2890,
0.3267

487.5227, 0.2998,
0.3279

■ 57.9182, 0.2866,
0.3264

130.2828, 0.2927,
0.3271

■ 41.7429, 0.2836,
0.3261

163.6319, 0.2942,
0.3273

■ 28.9000, 0.2799,
0.3256

202.2353, 0.2954,
0.3274

■ 19.0052, 0.2751,
0.3249

246.4776, 0.2965,
0.3275

■ 11.6741, 0.2686,
0.3240

296.7431, 0.2975,
0.3276

■ 6.5221, 0.2595,
0.3226


353.4161, 0.2983,


■ 3.1651, 0.2457,


0.3277


0.3202


416.8812, 0.2991,
0.3278

 1.2185, 0.2224,
0.3153

 0.0768, 0.0000,
0.1548

 77.8104, 0.2890,
0.3267


 77.8104, 0.2890,
0.3267


 74.0510, 0.2749,
0.3251


 82.0877, 0.3040,
0.3282

 70.7766, 0.2619,
0.3234

 86.8950, 0.3197,
0.3296

 67.9655, 0.2504,
0.3216

 89.0561, 0.3246,
0.3309

 65.5902, 0.2407,
0.3197

 89.8247, 0.3245,
0.3322

63.6205, 0.2328,
0.3178

90.5988, 0.3244,
0.3334

62.0225, 0.2268,
0.3159

91.3785, 0.3243,
0.3347

60.7562, 0.2228,
0.3141

92.1638, 0.3241,
0.3360

59.7727, 0.2205,
0.3122

92.9547, 0.3240,
0.3372

59.3944, 0.2198,
0.3114

93.7512, 0.3239,
0.3385

Harmonies

Analogous

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



77.8104, 0.2985, 0.3395



77.8104, 0.2890, 0.3267



77.8104, 0.2858, 0.3149

Triad

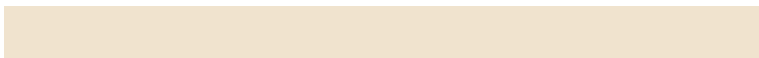
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.8104, 0.2890, 0.3267



77.8104, 0.3131, 0.3096



77.8104, 0.3362, 0.3508

Complementary

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



77.8104, 0.2890, 0.3267



64.4786, 0.3418, 0.3313

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.



77.8104, 0.3404, 0.3423



77.8104, 0.2890, 0.3267



77.8104, 0.3269, 0.3187

Square

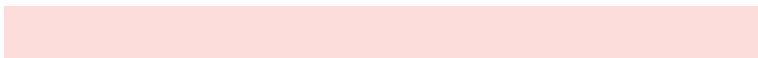
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8104, 0.2890, 0.3267



77.8104, 0.2995, 0.3054



77.8104, 0.3370, 0.3305



77.8104, 0.3257, 0.3536

Rectangle

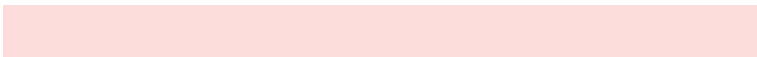
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8104, 0.2890, 0.3267



77.8104, 0.2875, 0.3092



77.8104, 0.3370, 0.3305



77.8104, 0.3384, 0.3485

Sweetspot

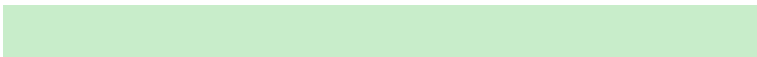
The Sweet Spot groups the original color and five complimentary colors.



77.8136, 0.2890, 0.3267



97.2132, 0.3049, 0.3283



77.1331, 0.3096, 0.3687



20.7265, 0.3038, 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.



77.8136, 0.2890, 0.3267



90.2460, 0.2839, 0.3261



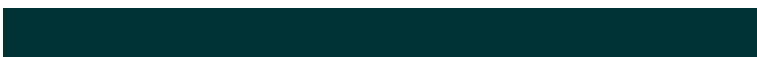
67.8789, 0.2882, 0.3063



16.9710, 0.2981, 0.3276



32.4849, 0.2199, 0.3117



2.5944, 0.2206, 0.3143

Inverse Universe

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



65.3505, 0.3160, 0.2925



72.7168, 0.3168, 0.2841



73.5781, 0.3387, 0.3507



15.2986, 0.3146, 0.3070



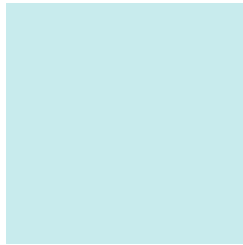
12.7722, 0.3352, 0.1620



1.0073, 0.3331, 0.1608

Previews

White Background



This preview shows how the Yxy color 77.8104, 0.2890, 0.3267 looks on a white background.

Color Contrast Check

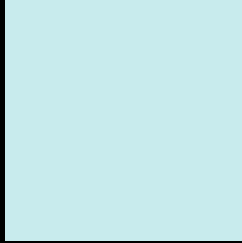
Large Text (above 18pt) WCAG AA × Fail

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 77.8104, 0.2890, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

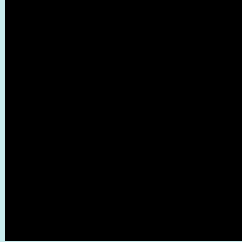
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

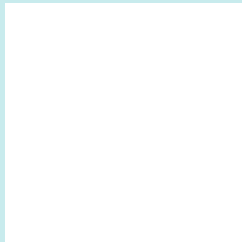
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.8104, 0.2890, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 77.8104, 0.2890, 0.3267.

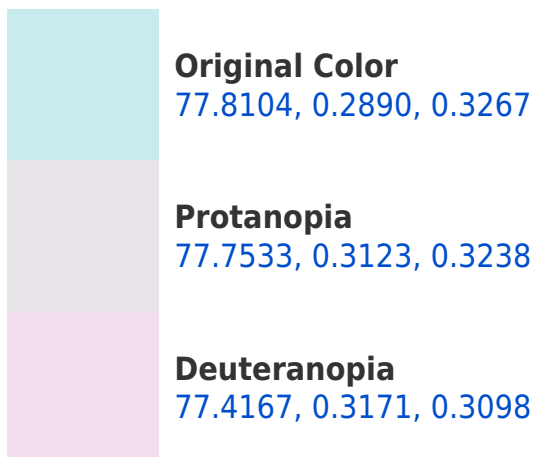


This preview shows how white text looks on a background with the Yxy color 77.8104, 0.2890, 0.3267.

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

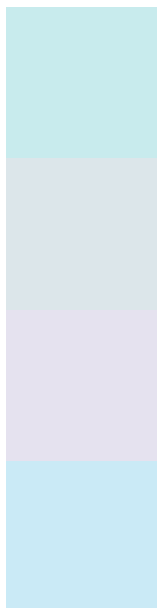




Tritanopia

77.9394, 0.2828, 0.3097

Trichromacy



Original Color

77.8104, 0.2890, 0.3267

Protanomaly

77.7498, 0.3035, 0.3247

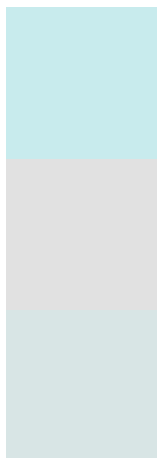
Deuteranomaly

77.2827, 0.3065, 0.3154

Tritanomaly

78.0560, 0.2851, 0.3160

Monochromacy



Original Color

77.8104, 0.2890, 0.3267

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

76.2947, 0.3039, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8104, 0.2890, 0.3267 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(200, 235, 237)` looks like.

```
.text, #text, p{  
    color:rgb(200, 235, 237)  
}
```

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(200, 235, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 235, 237) }
```

Border

The CSS property to change the border of an element to Yxy 77.8104, 0.2890, 0.3267 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(200, 235, 237) }
```

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

```
.border{ border-color:rgb(200, 235, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 235, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 235, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 235, 237);  
box-shadow:4px 4px 4px 4px rgb(200, 235,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8104, 0.2890, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 235, 237) }
```

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

```
.background{ background-color: rgb(200,  
235, 237) }
```

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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