

Converting Colors

$Yxy(77.7741, 0.2808, 0.3268)$

Have a look what the booklet for
Yxy(77.7741, 0.2808, 0.3268)
contains.

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Color

Yxy(77.4917, 0.2808, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	BCCEDEF
RGB	188, 237, 239
RGB Percent	74%, 93%, 94%
CMY	0.2627, 0.0706, 0.0628
CMYK	0.21, 0.01, 0.00, 0.06
HSL	182°, 61%, 84%
HSV	182°, 21%, 94%
XYZ	66.6044, 77.4917, 93.0991
YIQ	222.5770, -29.8460, -9.7660

Conversions

Conversions Part 2

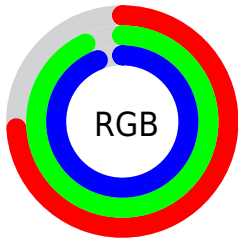
Format	Color
RYB	188, 213, 239
Decimal	12381679
CIELab	90.55, -15.15, -6.12
CIELCh	91, 16.337, 202.019
Yxy	77.4917, 0.2808, 0.3267
Android (android.graphics.Color)	4290571759 (0xFFBCEDEF)
YUV	222.5770, 8.0965, -30.3240
Hunter-Lab	88.0294, -18.9954, -1.0841

Details

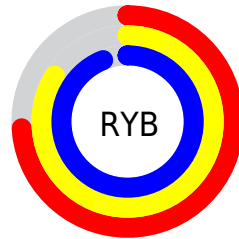
The Yxy color **77.4917, 0.2808, 0.3267** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **58.8092, 0.3554, 0.3313**, and the grayscale version is **73.4371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **41.5350, 0.2739, 0.3260** is the 20% darker color. If you saturate the color by 10%, you get **74.1683, 0.2674, 0.3255**, and if you desaturate by 10%, it is **81.3268, 0.2953, 0.3278**.

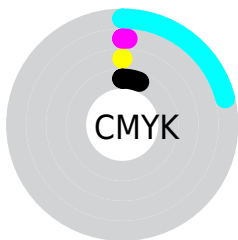
Distribution



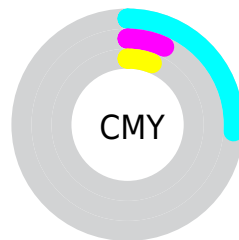
- Red (74%)
- Green (93%)
- Blue (94%)



- Red (74%)
- Yellow (84%)
- Blue (94%)



- Cyan (21%)
- Magenta (1%)
- Yellow (0%)
- Black (6%)




- Cyan (26%)
- Magenta (7%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.4917, 0.2808, 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 77.4917, 0.2808, 0.3267 by changing the saturation by 10% instead.


 77.4917, 0.2808,
0.3267

 77.4917, 0.2808,
0.3267


486.4389, 0.2953,
0.3279

 57.6565, 0.2776,
0.3264


 129.8333, 0.2858,
0.3272

 41.5326, 0.2736,
0.3260


163.1086, 0.2877,
0.3273

 28.7355, 0.2686,
0.3254


201.6326, 0.2894,
0.3275

 18.8808, 0.2622,
0.3246

245.7899, 0.2909,
0.3276

 11.5842, 0.2536,
0.3235

295.9647, 0.2922,
0.3277

 6.4612, 0.2416,
0.3217


352.5416, 0.2933,


 3.1275, 0.2235,

0.3278

0.3185


415.9048, 0.2944,
0.3279


 1.1987, 0.1927,
0.3121


 0.0606, 0.0000,
0.1092

 77.4917, 0.2808,
0.3267


 77.4917, 0.2808,
0.3267


 74.1683, 0.2674,
0.3255


 81.3268, 0.2953,
0.3278


 71.3224, 0.2554,
0.3243


 85.6872, 0.3106,
0.3289


 68.9304, 0.2451,
0.3230


 89.6925, 0.3233,
0.3298


 66.9627, 0.2366,
0.3216


 90.2419, 0.3232,
0.3307


 65.3865, 0.2300,
0.3203


 90.7940, 0.3231,
0.3316

 64.1639, 0.2254,
0.3190


 91.3490, 0.3231,
0.3325

 63.2496, 0.2226,
0.3177

 91.9069, 0.3230,
0.3334

 62.6433, 0.2213,
0.3166

 92.4675, 0.3229,
0.3343

 93.0310, 0.3228,
0.3352

Harmonies

Analogous

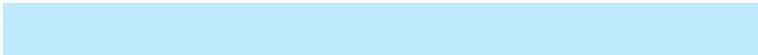
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4917, 0.2941, 0.3445



77.4917, 0.2808, 0.3267



77.4917, 0.2759, 0.3102

Triad

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



77.4917, 0.2808, 0.3267



77.4917, 0.3120, 0.3021



77.4917, 0.3457, 0.3584

Complementary

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



77.4917, 0.2808, 0.3267



58.8092, 0.3554, 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.



77.4917, 0.3510, 0.3460



77.4917, 0.2808, 0.3267



77.4917, 0.3312, 0.3141

Square

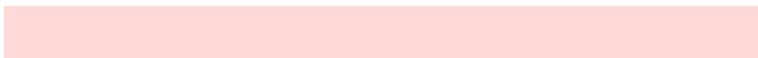
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4917, 0.2808, 0.3267



77.4917, 0.2935, 0.2967



77.4917, 0.3456, 0.3299



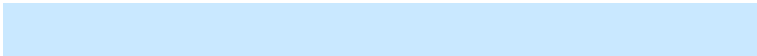
77.4917, 0.3315, 0.3631

Rectangle

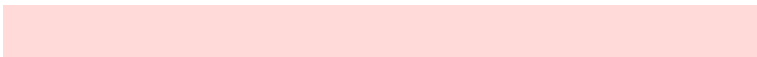
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4917, 0.2808, 0.3267



77.4917, 0.2779, 0.3022



77.4917, 0.3456, 0.3299



77.4917, 0.3486, 0.3549

Sweetspot

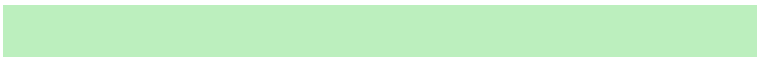
The Sweet Spot groups the original color and five complimentary colors.



77.4949, 0.2808, 0.3267



96.8328, 0.3034, 0.3284



76.1259, 0.3089, 0.3864



20.6554, 0.3024, 0.3283



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.



77.4949, 0.2808, 0.3267



87.8825, 0.2743, 0.3261



63.9141, 0.2788, 0.2979



17.8171, 0.2981, 0.3280



34.6685, 0.2213, 0.3168



2.9167, 0.2218, 0.3185

Inverse Universe

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



60.4373, 0.3167, 0.2779



64.5809, 0.3176, 0.2664



70.6846, 0.3498, 0.3583



16.0201, 0.3144, 0.3066



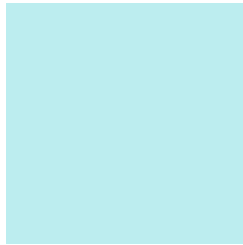
13.2932, 0.3309, 0.1597



1.1092, 0.3295, 0.1589

Previews

White Background



This preview shows how the Yxy color 77.4917, 0.2808, 0.3267 looks on a white background.

Color Contrast Check

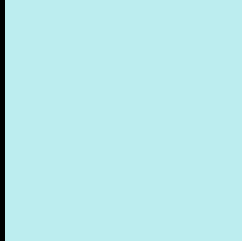
Large Text (above 18pt) WCAG AA × Fail

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 77.4917, 0.2808, 0.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

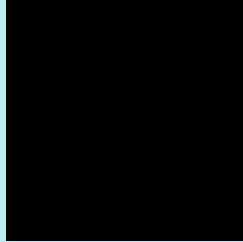
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.4917, 0.2808, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 77.4917, 0.2808, 0.3267.

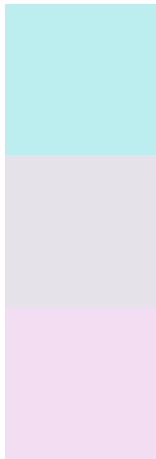


This preview shows how white text looks on a background with the Yxy color 77.4917, 0.2808, 0.3267.

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



Original Color

77.4917, 0.2808, 0.3267

Protanopia

77.0989, 0.3110, 0.3217

Deuteranopia

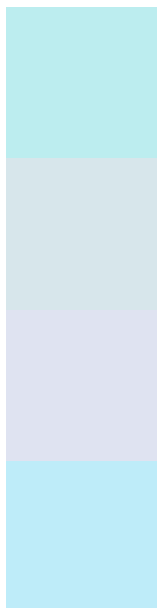
77.1784, 0.3144, 0.3078



Tritanopia

77.6488, 0.2743, 0.3083

Trichromacy



Original Color

77.4917, 0.2808, 0.3267

Protanomaly

77.0389, 0.2996, 0.3236

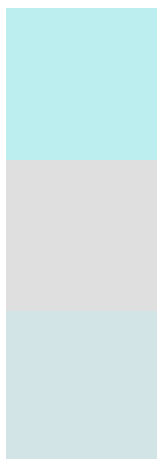
Deuteranomaly

76.9770, 0.3012, 0.3143

Tritanomaly

77.7776, 0.2765, 0.3147

Monochromacy



Original Color

77.4917, 0.2808, 0.3267

Achromatopsia

73.7910, 0.3127, 0.3290

Achromatomaly

74.8456, 0.2999, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4917, 0.2808, 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(188, 237, 239)` looks like.

```
.text, #text, p{  
    color:rgb(188, 237, 239)  
}
```

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(188, 237, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 237, 239) }
```

Border

The CSS property to change the border of an element to Yxy 77.4917, 0.2808, 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(188, 237, 239) }
```

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

```
.border{ border-color:rgb(188, 237, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 237, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 237, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 237, 239);  
box-shadow:4px 4px 4px 4px rgb(188, 237,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 77.4917, 0.2808, 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(188, 237, 239) }
```

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

```
.background{ background-color: rgb(188,  
237, 239) }
```

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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