

Converting Colors

$Yxy(88.6677, 0.2837, 0.3467)$

Have a look what the booklet for
Yxy(88.6677, 0.2837, 0.3467)
contains.

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Color

Yxy(88.6402, 0.2838, 0.3473)

Conversions

Conversions Part 1

Format	Color
Hex	BEFFEE
RGB	190, 255, 238
RGB Percent	75%, 100%, 93%
CMY	0.2547, 0.0000, 0.0668
CMYK	0.25, 0.00, 0.07, 0.00
HSL	164°, 100%, 87%
HSV	164°, 25%, 100%
XYZ	72.4333, 88.6402, 94.1531
YIQ	233.6270, -33.2830, -19.0670

Conversions

Conversions Part 2

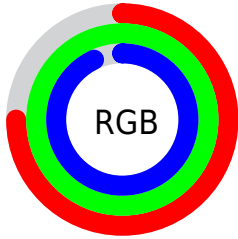
Format	Color
RYB	190, 227, 255
Decimal	12517358
CIELab	95.43, -23.60, 1.58
CIELCh	95, 23.648, 176.170
Yxy	88.6402, 0.2838, 0.3473
Android (android.graphics.Color)	4290707438 (0xFFBEFFEE)
YUV	233.6270, 2.1559, -38.2609
Hunter-Lab	94.1489, -27.4320, 6.6116

Details

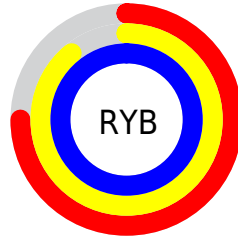
The Yxy color **88.6402, 0.2838, 0.3473** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6194, 0.3529, 0.3116**, and the grayscale version is **81.9934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **48.9165, 0.2775, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **85.2556, 0.2739, 0.3557**, and if you desaturate by 10%, it is **92.6212, 0.2947, 0.3396**.

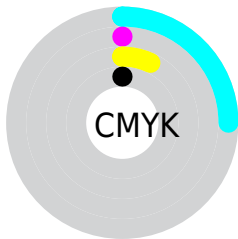
Distribution



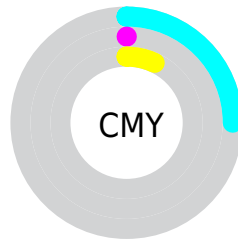
- Red (75%)
- Green (100%)
- Blue (93%)



- Red (75%)
- Yellow (89%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6402, 0.2838, 0.3473 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 88.6402, 0.2838, 0.3473 by changing the saturation by 10% instead.


 88.6402, 0.2838,
0.3473

 88.6402, 0.2838,
0.3473


523.5975, 0.2967,
0.3391

 66.8534, 0.2810,
0.3491


 145.4481, 0.2882,
0.3445

 48.9655, 0.2775,
0.3513


181.2380, 0.2899,
0.3434

 34.5921, 0.2732,
0.3541


222.4644, 0.2914,
0.3424

 23.3488, 0.2676,
0.3577

269.5117, 0.2928,
0.3416

 14.8513, 0.2603,
0.3624

322.7642, 0.2939,
0.3409

 8.7151, 0.2503,
0.3690

382.6065, 0.2950,

 4.5558, 0.2354,

0.3402

0.3789

449.4227, 0.2959,
0.3396

1.9891, 0.2114,
0.3950

0.6011, 0.0000,
0.5249

88.6402, 0.2838,
0.3473

88.6402, 0.2838,
0.3473

85.2556, 0.2739,
0.3557

92.6212, 0.2947,
0.3396


82.4263, 0.2652,
0.3646


97.2155, 0.3062,
0.3326


80.1232, 0.2581,
0.3740

99.9986, 0.3127,
0.3290

78.3100, 0.2528,
0.3838

 76.9458, 0.2494,
0.3937

 75.9828, 0.2481,
0.4037

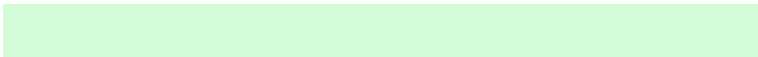
 75.3620, 0.2487,
0.4136

 75.1547, 0.2495,
0.4180

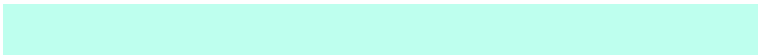
Harmonies

Analogous

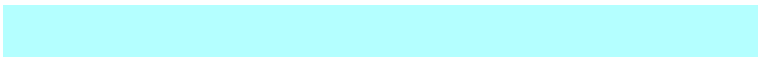
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6402, 0.3085, 0.3678



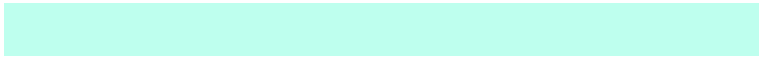
88.6402, 0.2838, 0.3473



88.6402, 0.2672, 0.3220

Triad

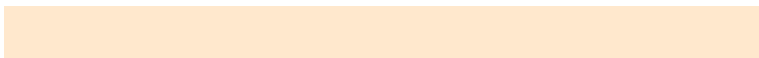
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6402, 0.2838, 0.3473



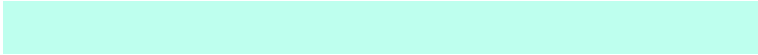
88.6402, 0.2892, 0.2853



88.6402, 0.3657, 0.3548

Complementary

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



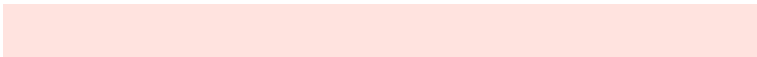
88.6402, 0.2838, 0.3473



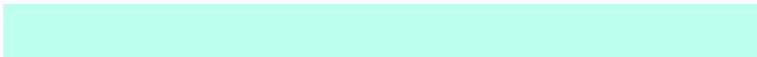
62.6194, 0.3529, 0.3116

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.



88.6402, 0.3603, 0.3330



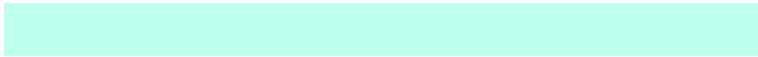
88.6402, 0.2838, 0.3473



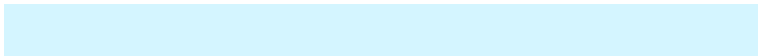
88.6402, 0.3152, 0.2941

Square

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



88.6402, 0.2838, 0.3473



88.6402, 0.2703, 0.2872



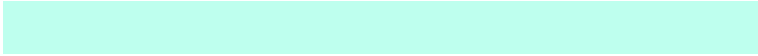
88.6402, 0.3415, 0.3112



88.6402, 0.3562, 0.3711

Rectangle

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



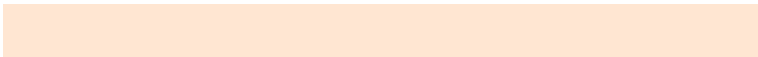
88.6402, 0.2838, 0.3473



88.6402, 0.2626, 0.3066



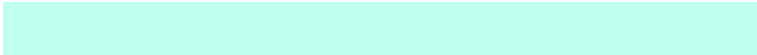
88.6402, 0.3415, 0.3112



88.6402, 0.3656, 0.3478

Sweetspot

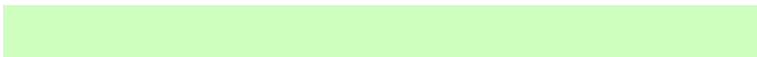
The Sweet Spot groups the original color and five complimentary colors.



88.6438, 0.2838, 0.3473



95.9943, 0.3033, 0.3343



88.5578, 0.3200, 0.3997



20.3953, 0.3015, 0.3353



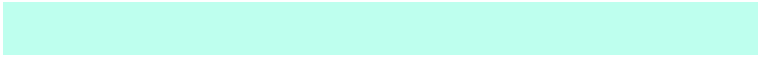
0.0000, 0.0000, 0.0000



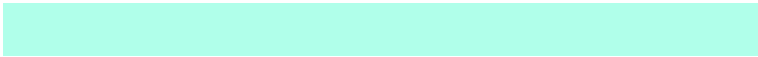
21.4041, 0.3127, 0.3290

Same Dimension

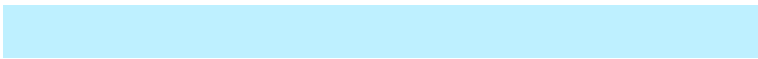
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6438, 0.2838, 0.3473



86.7003, 0.2782, 0.3519



80.4027, 0.2737, 0.3126



20.3953, 0.3015, 0.3353



39.2966, 0.2490, 0.4164



3.8441, 0.2459, 0.4051

Inverse Universe

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



62.6194, 0.3529, 0.3116



56.3077, 0.3648, 0.3076



68.7420, 0.3633, 0.3448



18.0653, 0.3253, 0.3228



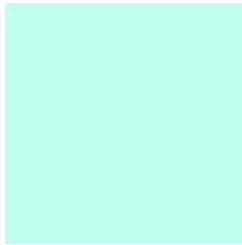
11.3404, 0.5897, 0.3022



1.1212, 0.5580, 0.2847

Previews

White Background



This preview shows how the Yxy color 88.6402, 0.2838, 0.3473 looks on a white background.

Color Contrast Check

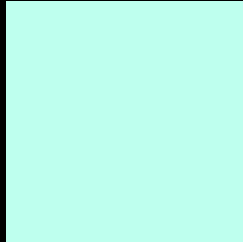
Large Text (above 18pt) WCAG AA × Fail

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 88.6402, 0.2838, 0.3473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

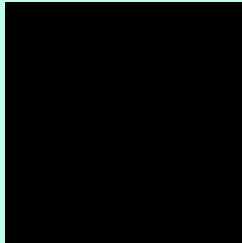
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.6402, 0.2838, 0.3473

Background



This preview shows how black text looks on a background with the Yxy color 88.6402, 0.2838, 0.3473.

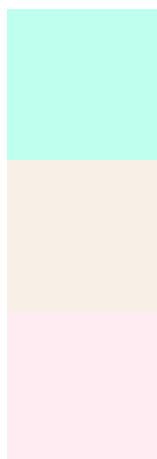


This preview shows how white text looks on a background with the Yxy color 88.6402, 0.2838, 0.3473.

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

88.6402, 0.2838, 0.3473

Protanopia

87.9898, 0.3242, 0.3390

Deuteranopia

87.6617, 0.3217, 0.3232



Tritanopia

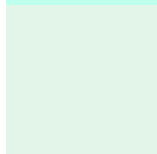
88.0544, 0.2926, 0.3188

Trichromacy



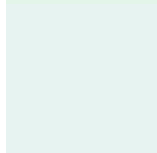
Original Color

88.6402, 0.2838, 0.3473



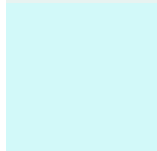
Protanomaly

87.5189, 0.3083, 0.3414



Deuteranomaly

87.4410, 0.3062, 0.3310



Tritanomaly

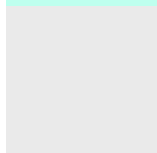
88.2926, 0.2889, 0.3289

Monochromacy



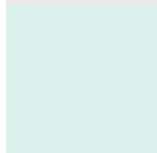
Original Color

88.6402, 0.2838, 0.3473



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.4078, 0.3015, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6402, 0.2838, 0.3473 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(190, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(190, 255, 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(190, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 88.6402, 0.2838, 0.3473 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(190, 255, 238) }
```

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

```
.border{ border-color:rgb(190, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(190, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6402, 0.2838, 0.3473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 255, 238) }
```

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

```
.background{ background-color: rgb(190,  
255, 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](#).

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