

Converting Colors

$Y_{xy}(103.7841, 0.2883, 0.3628)$

Have a look what the booklet for
Yxy(103.7841, 0.2883, 0.3628)
contains.

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Color

Yxy(90.2102, 0.2872, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFF2
RGB	200, 255, 242
RGB Percent	78%, 100%, 95%
CMY	0.2158, 0.0000, 0.0510
CMYK	0.22, 0.00, 0.05, 0.00
HSL	166°, 100%, 89%
HSV	166°, 22%, 100%
XYZ	75.6007, 90.2102, 97.4228
YIQ	237.0730, -28.6070, -15.7030

Conversions

Conversions Part 2

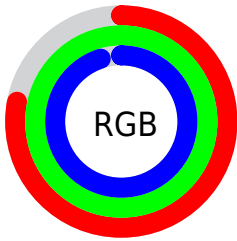
Format	Color
R_{YB}	200, 231, 255
Decimal	13172722
CIE Lab	96.08, -19.85, 0.53
CIE LCh	96, 19.859, 178.481
Yxy	90.2102, 0.2872, 0.3427
Android (android.graphics.Color)	4291362802 (0xFFC8FFF2)
YUV	237.0730, 2.4290, -32.5130
Hunter-Lab	94.9791, -24.1322, 5.6698

Details

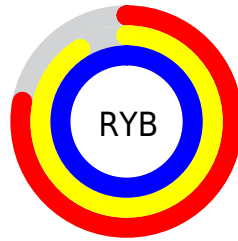
The Yxy color **90.2102, 0.2872, 0.3427** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3633, 0.3464, 0.3158**, and the grayscale version is **84.7384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9531, 0.2816, 0.3454** is the 20% darker color. If you saturate the color by 10%, you get **86.6278, 0.2766, 0.3500**, and if you desaturate by 10%, it is **94.3835, 0.2987, 0.3360**.

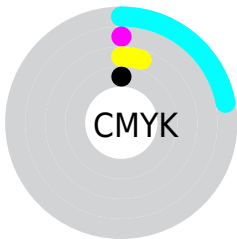
Distribution



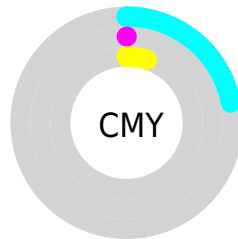
- Red (78%)
- Green (100%)
- Blue (95%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2102, 0.2872, 0.3427 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 90.2102, 0.2872, 0.3427 by changing the saturation by 10% instead.


 90.2102, 0.2872,
0.3427

 90.2102, 0.2872,
0.3427

528.7144, 0.2986,
0.3366

 68.1550, 0.2847,
0.3440


147.6303, 0.2911,
0.3406

 50.0238, 0.2817,
0.3457


183.7641, 0.2926,
0.3398

 35.4323, 0.2779,
0.3477


225.3594, 0.2939,
0.3391

 23.9961, 0.2731,
0.3503

272.8008, 0.2951,
0.3385

 15.3307, 0.2668,
0.3537

326.4726, 0.2961,
0.3379

 9.0518, 0.2581,
0.3585

386.7592, 0.2970,

 4.7750, 0.2453,

0.3374

0.3654

454.0450, 0.2978,
0.3370

■ 2.1159, 0.2249,
0.3766

■ 0.6735, 0.1020,
0.4415

■ 90.2102, 0.2872,
0.3427

■ 90.2102, 0.2872,
0.3427

■ 86.6278, 0.2766,
0.3500

■ 94.3835, 0.2987,
0.3360

■ 83.6170, 0.2671,
0.3578

■ 99.1846, 0.3108,
0.3299

■ 81.1429, 0.2591,
0.3661

■ 100.0000, 0.3127,
0.3290

■ 79.1708, 0.2529,
0.3747

■ 77.6617, 0.2485,
0.3835

■ 76.5709, 0.2462,
0.3924

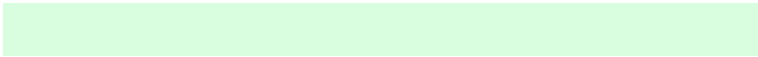
■ 75.8446, 0.2459,
0.4012

■ 75.4467, 0.2468,
0.4086

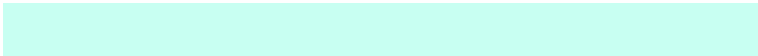
Harmonies

Analogous

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



90.2102, 0.3076, 0.3602



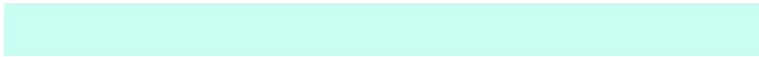
90.2102, 0.2872, 0.3427



90.2102, 0.2738, 0.3218

Triad

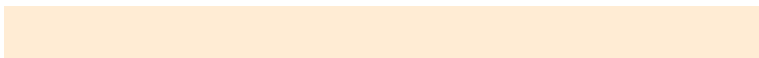
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2102, 0.2872, 0.3427



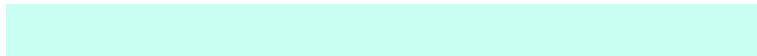
90.2102, 0.2947, 0.2925



90.2102, 0.3567, 0.3521

Complementary

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



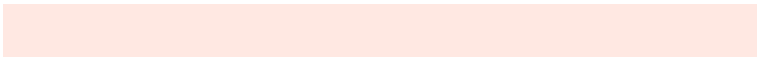
90.2102, 0.2872, 0.3427



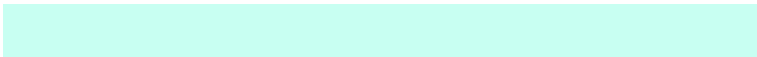
67.3633, 0.3464, 0.3158

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.



90.2102, 0.3532, 0.3340



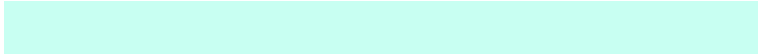
90.2102, 0.2872, 0.3427



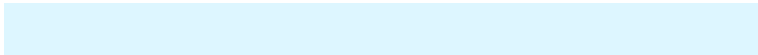
90.2102, 0.3167, 0.3005

Square

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



90.2102, 0.2872, 0.3427



90.2102, 0.2780, 0.2935



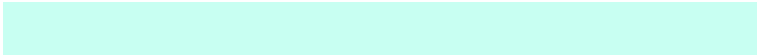
90.2102, 0.3383, 0.3154



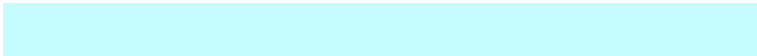
90.2102, 0.3480, 0.3649

Rectangle

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



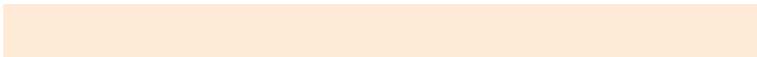
90.2102, 0.2872, 0.3427



90.2102, 0.2705, 0.3091



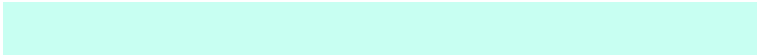
90.2102, 0.3383, 0.3154



90.2102, 0.3569, 0.3464

Sweetspot

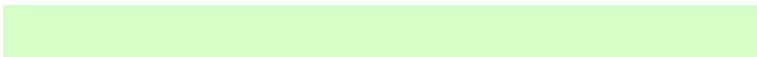
The Sweet Spot groups the original color and five complimentary colors.



90.2069, 0.2872, 0.3427



96.9820, 0.3054, 0.3325



89.9456, 0.3184, 0.3879



20.6908, 0.3046, 0.3329



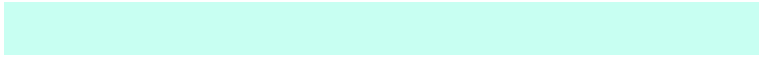
0.0000, 0.0000, 0.0000



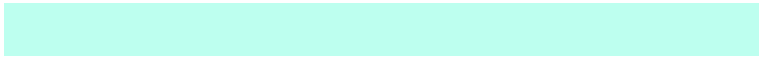
21.4041, 0.3127, 0.3290

Same Dimension

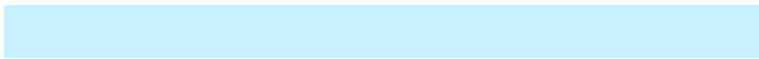
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2069, 0.2872, 0.3427



88.5516, 0.2824, 0.3458



82.5526, 0.2795, 0.3143



20.4037, 0.3012, 0.3347



39.4469, 0.2464, 0.4072



3.8577, 0.2436, 0.3971

Inverse Universe

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



67.3633, 0.3464, 0.3158



61.9040, 0.3554, 0.3129



73.3886, 0.3537, 0.3432



18.0575, 0.3257, 0.3234



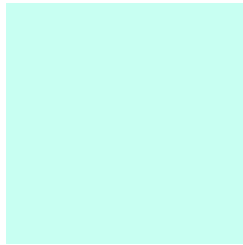
11.3000, 0.5977, 0.3066



1.1163, 0.5666, 0.2895

Previews

White Background



This preview shows how the Yxy color 90.2102, 0.2872, 0.3427 looks on a white background.

Color Contrast Check

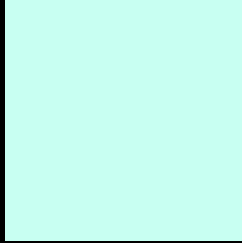
Large Text (above 18pt) WCAG AA × Fail

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 90.2102, 0.2872, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

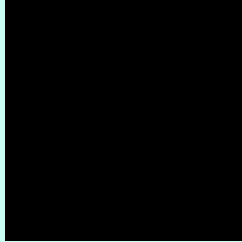
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

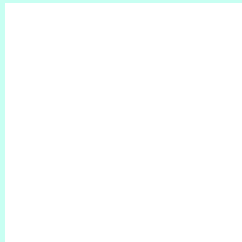
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2102, 0.2872, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 90.2102, 0.2872, 0.3427.

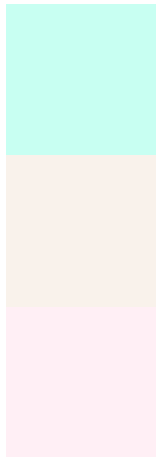


This preview shows how white text looks on a background with the Yxy color 90.2102, 0.2872, 0.3427.

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

90.2102, 0.2872, 0.3427

Protanopia

89.6422, 0.3216, 0.3359

Deuteranopia

89.5856, 0.3196, 0.3232



Tritanopia

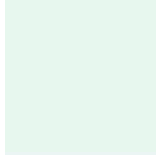
89.6255, 0.2963, 0.3199

Trichromacy



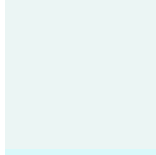
Original Color

90.2102, 0.2872, 0.3427



Protanomaly

89.6835, 0.3078, 0.3381



Deuteranomaly

89.4986, 0.3069, 0.3300



Tritanomaly

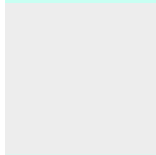
89.5589, 0.2931, 0.3279

Monochromacy



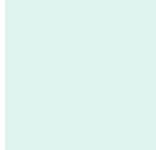
Original Color

90.2102, 0.2872, 0.3427



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7807, 0.3029, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2102, 0.2872, 0.3427 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, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 242)  
}
```

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, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 90.2102, 0.2872, 0.3427 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, 255, 242) }
```

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

```
.border{ border-color:rgb(200, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2102, 0.2872, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 242) }
```

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

```
.background{ background-color: rgb(200,  
255, 242) }
```

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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