

Converting Colors

$Y_{xy}(100.0000, 0.2848, 0.3518)$

Have a look what the booklet for
Yxy(100.0000, 0.2848, 0.3518)
contains.

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Color

Yxy(90.3775, 0.2841, 0.3373)

Conversions

Conversions Part 1

Format	Color
Hex	C7FFF7
RGB	199, 255, 247
RGB Percent	78%, 100%, 97%
CMY	0.2192, 0.0001, 0.0313
CMYK	0.22, 0.00, 0.03, 0.00
HSL	171°, 100%, 89%
HSV	171°, 22%, 100%
XYZ	76.1229, 90.3775, 101.4436
YIQ	237.3440, -30.8080, -14.3600

Conversions

Conversions Part 2

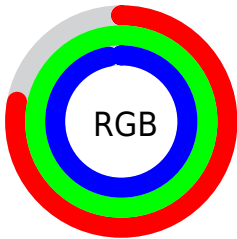
Format	Color
R_{YB}	199, 229, 255
Decimal	13107191
CIE _{Lab}	96.15, -19.09, -1.97
CIE _{LCh}	96, 19.188, 185.892
Yxy	90.3775, 0.2841, 0.3373
Android (android.graphics.Color)	4291297271 (0xFFC7FFF7)
YUV	237.3440, 4.7604, -33.6277
Hunter-Lab	95.0671, -23.4374, 3.2802

Details

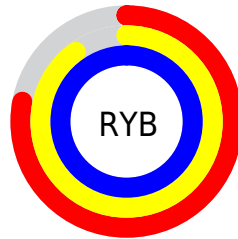
The Yxy color **90.3775, 0.2841, 0.3373** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.6567, 0.3512, 0.3209**, and the grayscale version is **84.9641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0790, 0.2778, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **86.9563, 0.2725, 0.3416**, and if you desaturate by 10%, it is **94.3949, 0.2967, 0.3333**.

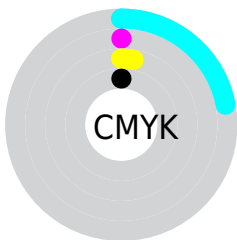
Distribution



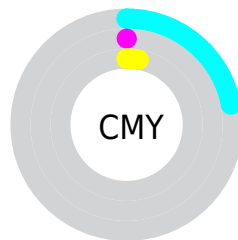
- Red (78%)
- Green (100%)
- Blue (97%)



- Red (78%)
- Yellow (90%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)




- Cyan (22%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3775, 0.2841, 0.3373 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 90.3775, 0.2841, 0.3373 by changing the saturation by 10% instead.

 90.3775, 0.2841,
0.3373

 90.3775, 0.2841,
0.3373


529.2581, 0.2968,
0.3337

 68.2938, 0.2813,
0.3381


147.8626, 0.2884,
0.3361

 50.1368, 0.2780,
0.3390


184.0329, 0.2901,
0.3356

 35.5221, 0.2738,
0.3402


225.6674, 0.2916,
0.3352

 24.0653, 0.2685,
0.3416

273.1506, 0.2929,
0.3348

 15.3821, 0.2615,
0.3435

326.8668, 0.2940,
0.3345

 9.0880, 0.2520,
0.3460

387.2006, 0.2950,

 4.7986, 0.2381,

0.3342

0.3495

454.5362, 0.2960,
0.3339

■ 2.1296, 0.2162,
0.3548

■ 0.6812, 0.1042,
0.3910

■ 90.3775, 0.2841,
0.3373

■ 90.3775, 0.2841,
0.3373

■ 86.9563, 0.2725,
0.3416

■ 94.3949, 0.2967,
0.3333

■ 84.0911, 0.2622,
0.3462

■ 99.0246, 0.3101,
0.3297

■ 81.7540, 0.2534,
0.3510

■ 99.9890, 0.3127,
0.3290

■ 79.9102, 0.2465,
0.3560

■ 78.5208, 0.2415,
0.3611

■ 77.5408, 0.2385,
0.3662

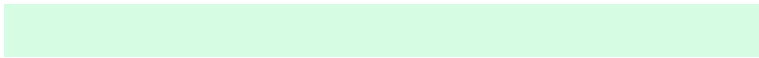
■ 76.9162, 0.2374,
0.3713

■ 76.6053, 0.2376,
0.3753

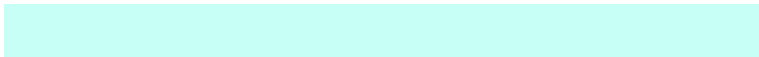
Harmonies

Analogous

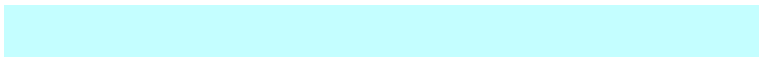
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3775, 0.3025, 0.3555



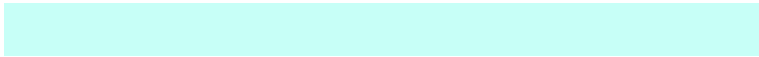
90.3775, 0.2841, 0.3373



90.3775, 0.2734, 0.3173

Triad

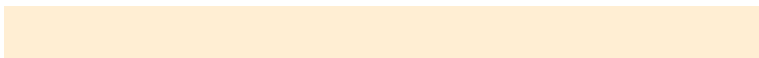
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3775, 0.2841, 0.3373



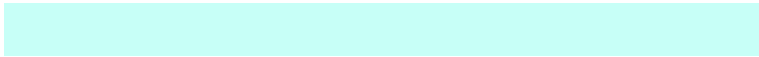
90.3775, 0.3003, 0.2949



90.3775, 0.3542, 0.3551

Complementary

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



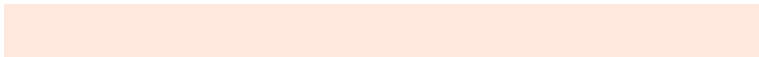
90.3775, 0.2841, 0.3373



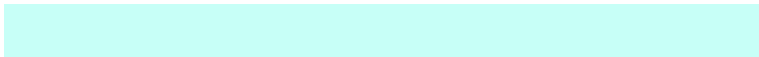
66.6567, 0.3512, 0.3209

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.



90.3775, 0.3537, 0.3384



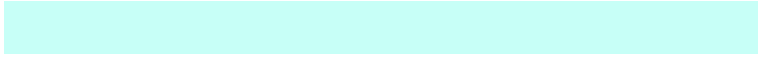
90.3775, 0.2841, 0.3373



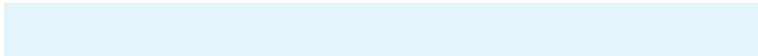
90.3775, 0.3220, 0.3045

Square

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



90.3775, 0.2841, 0.3373



90.3775, 0.2825, 0.2936



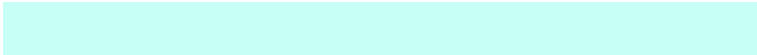
90.3775, 0.3418, 0.3202



90.3775, 0.3432, 0.3655

Rectangle

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



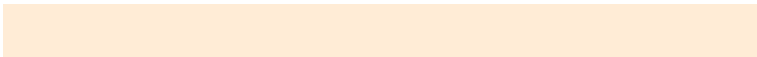
90.3775, 0.2841, 0.3373



90.3775, 0.2718, 0.3060



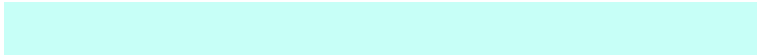
90.3775, 0.3418, 0.3202



90.3775, 0.3554, 0.3500

Sweetspot

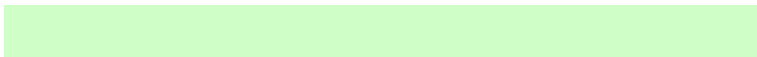
The Sweet Spot groups the original color and five complimentary colors.



90.3812, 0.2841, 0.3373



96.6076, 0.3032, 0.3315



88.9718, 0.3150, 0.3896



20.6185, 0.3024, 0.3317



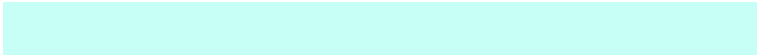
0.0000, 0.0000, 0.0000



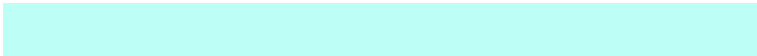
21.4041, 0.3127, 0.3290

Same Dimension

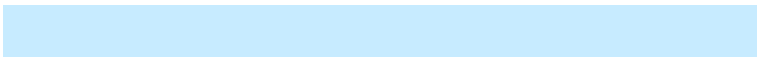
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3812, 0.2841, 0.3373



88.9270, 0.2792, 0.3390



79.0337, 0.2785, 0.3080



20.4343, 0.2999, 0.3324



40.0512, 0.2374, 0.3745



3.9113, 0.2358, 0.3687

Inverse Universe

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



66.6567, 0.3512, 0.3209



61.6102, 0.3607, 0.3193



75.8695, 0.3533, 0.3491



18.0292, 0.3272, 0.3256



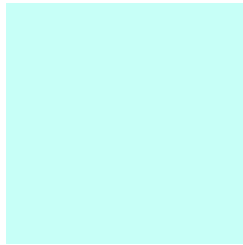
11.1891, 0.6213, 0.3197



1.1015, 0.5950, 0.3052

Previews

White Background



This preview shows how the Yxy color 90.3775, 0.2841, 0.3373 looks on a white background.

Color Contrast Check

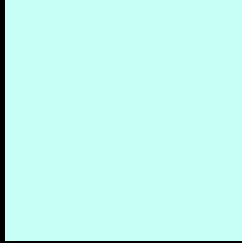
Large Text (above 18pt) WCAG AA × Fail

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 90.3775, 0.2841, 0.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

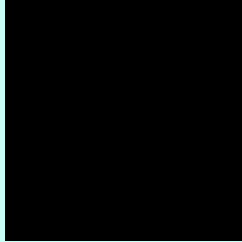
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

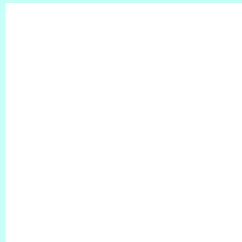
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3775, 0.2841, 0.3373

Background



This preview shows how black text looks on a background with the Yxy color 90.3775, 0.2841, 0.3373.

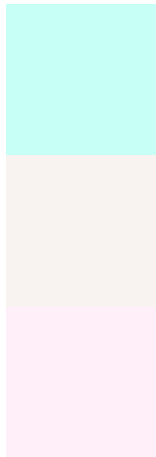


This preview shows how white text looks on a background with the Yxy color 90.3775, 0.2841, 0.3373.

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

90.3775, 0.2841, 0.3373

Protanopia

89.7520, 0.3179, 0.3310

Deuteranopia

89.7703, 0.3177, 0.3203



Tritanopia

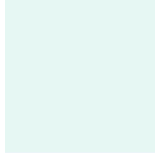
90.3995, 0.2969, 0.3209

Trichromacy



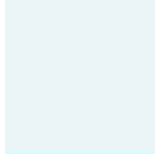
Original Color

90.3775, 0.2841, 0.3373



Protanomaly

89.8156, 0.3043, 0.3330



Deuteranomaly

89.7443, 0.3046, 0.3260



Tritanomaly

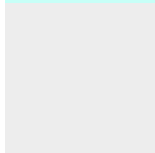
90.3049, 0.2920, 0.3269

Monochromacy



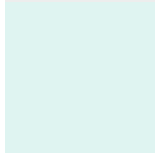
Original Color

90.3775, 0.2841, 0.3373



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7402, 0.3011, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3775, 0.2841, 0.3373 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(199, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(199, 255, 247)  
}
```

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(199, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 255, 247) }
```

Border

The CSS property to change the border of an element to Yxy 90.3775, 0.2841, 0.3373 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(199, 255, 247) }
```

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

```
.border{ border-color:rgb(199, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 255, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 255, 247); box-shadow:4px 4px 4px 4px rgb(199, 255, 247) }
```


Background

The CSS property to change the background color of an element to `rgb(90.3775, 0.2841, 0.3373)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 255, 247) }
```

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

```
.background{ background-color: rgb(199,  
255, 247) }
```

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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