

Converting Colors

$Y_{xy}(126.3553, 0.2861, 0.3813)$

Have a look what the booklet for
Yxy(126.3553, 0.2861, 0.3813)
contains.

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Color

Yxy(90.7015, 0.2831, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFFA
RGB	200, 255, 250
RGB Percent	78%, 100%, 98%
CMY	0.2156, 0.0000, 0.0198
CMYK	0.22, 0.00, 0.02, 0.00
HSL	174°, 100%, 89%
HSV	174°, 22%, 100%
XYZ	76.8330, 90.7015, 103.8643
YIQ	237.9850, -31.1750, -13.2150

Conversions

Conversions Part 2

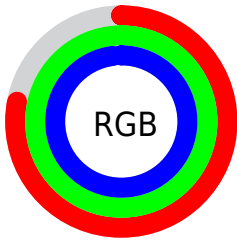
Format	Color
R_{YB}	200, 229, 255
Decimal	13172730
CIE _{Lab}	96.29, -18.22, -3.28
CIE _{LCh}	96, 18.517, 190.204
Yxy	90.7015, 0.2831, 0.3342
Android (android.graphics.Color)	4291362810 (0xFFC8FFFA)
YUV	237.9850, 5.9234, -33.3128
Hunter-Lab	95.2373, -22.6599, 2.0054

Details

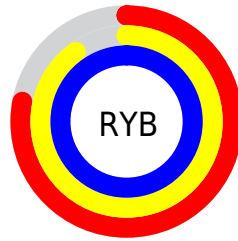
The Yxy color **90.7015, 0.2831, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.9893, 0.3526, 0.3239**, and the grayscale version is **85.4601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3030, 0.2765, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **87.3324, 0.2709, 0.3369**, and if you desaturate by 10%, it is **94.6586, 0.2964, 0.3317**.

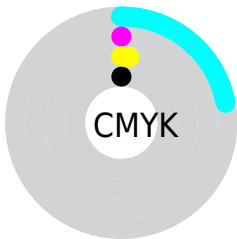
Distribution



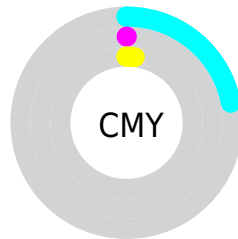
- Red (78%)
- Green (100%)
- Blue (98%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7015, 0.2831, 0.3342 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 90.7015, 0.2831, 0.3342 by changing the saturation by 10% instead.


 90.7015, 0.2831,
0.3342

 90.7015, 0.2831,
0.3342

530.3102, 0.2962,
0.3320

 68.5626, 0.2802,
0.3347


148.3124, 0.2875,
0.3335

 50.3556, 0.2768,
0.3352


184.5533, 0.2893,
0.3332

 35.6960, 0.2725,
0.3359


226.2635, 0.2908,
0.3329

 24.1995, 0.2671,
0.3367

273.8276, 0.2921,
0.3327

 15.4817, 0.2599,
0.3377

327.6299, 0.2933,
0.3325

 9.1581, 0.2502,
0.3390

388.0549, 0.2944,

 4.8445, 0.2361,

0.3323

0.3407

455.4868, 0.2953,
0.3322

2.1563, 0.2139,
0.3428

0.6960, 0.1140,
0.3663

90.7015, 0.2831,
0.3342

90.7015, 0.2831,
0.3342

87.3324, 0.2709,
0.3369

94.6586, 0.2964,
0.3317


84.5214, 0.2601,
0.3398

99.2297, 0.3105,
0.3293

82.2371, 0.2509,
0.3429

100.0000, 0.3127,
0.3290

80.4451, 0.2435,
0.3460

 79.1066, 0.2381,
0.3491

 78.1768, 0.2346,
0.3523

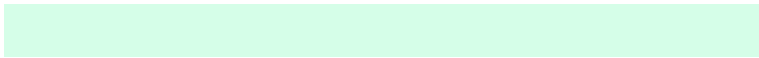
 77.6021, 0.2330,
0.3555

 77.3244, 0.2328,
0.3581

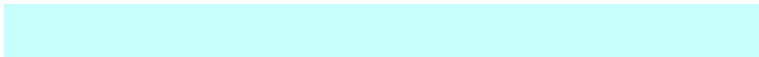
Harmonies

Analogous

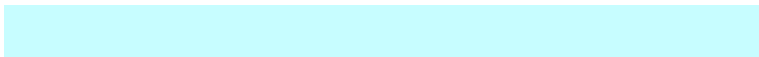
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7015, 0.3000, 0.3524



90.7015, 0.2831, 0.3342



90.7015, 0.2741, 0.3152

Triad

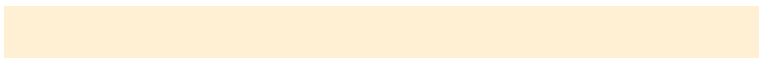
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7015, 0.2831, 0.3342



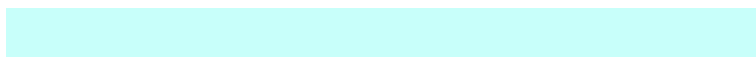
90.7015, 0.3036, 0.2969



90.7015, 0.3518, 0.3561

Complementary

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



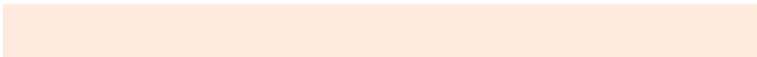
90.7015, 0.2831, 0.3342



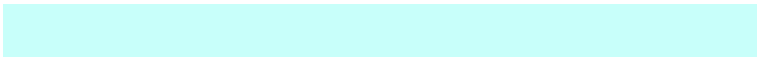
66.9893, 0.3526, 0.3239

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.



90.7015, 0.3530, 0.3406



90.7015, 0.2831, 0.3342



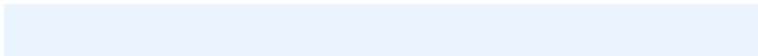
90.7015, 0.3247, 0.3072

Square

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



90.7015, 0.2831, 0.3342



90.7015, 0.2856, 0.2945



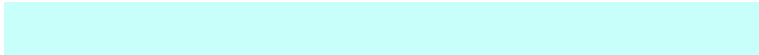
90.7015, 0.3430, 0.3230



90.7015, 0.3398, 0.3649

Rectangle

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



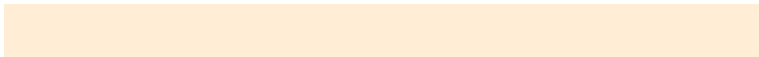
90.7015, 0.2831, 0.3342



90.7015, 0.2735, 0.3048



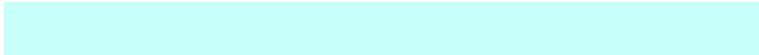
90.7015, 0.3430, 0.3230



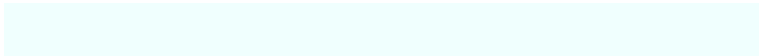
90.7015, 0.3535, 0.3515

Sweetspot

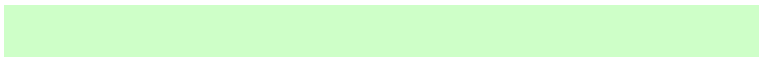
The Sweet Spot groups the original color and five complimentary colors.



90.7018, 0.2831, 0.3342



97.1228, 0.3041, 0.3303



88.7443, 0.3133, 0.3888



20.7242, 0.3032, 0.3305



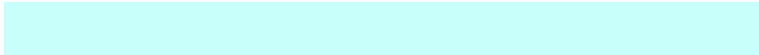
0.0000, 0.0000, 0.0000



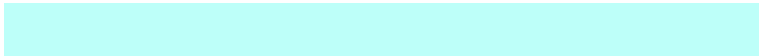
21.4041, 0.3127, 0.3290

Same Dimension

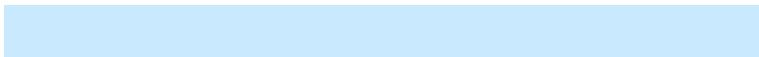
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7018, 0.2831, 0.3342



89.1351, 0.2775, 0.3354



77.7850, 0.2788, 0.3054



20.4510, 0.2992, 0.3312



40.4155, 0.2327, 0.3576



3.9432, 0.2317, 0.3540

Inverse Universe

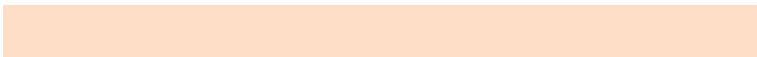
The Inverse Universe completely reimagines the original color for something new.



66.9893, 0.3526, 0.3239



61.4564, 0.3635, 0.3228



77.6805, 0.3520, 0.3515



18.0141, 0.3280, 0.3269



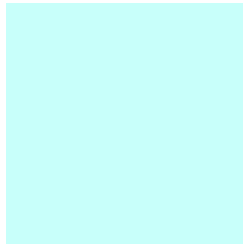
11.1510, 0.6301, 0.3244



1.0944, 0.6101, 0.3135

Previews

White Background



This preview shows how the Yxy color 90.7015, 0.2831, 0.3342 looks on a white background.

Color Contrast Check

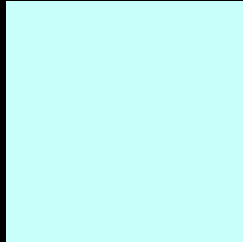
Large Text (above 18pt) WCAG AA × Fail

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 90.7015, 0.2831, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

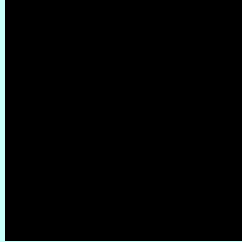
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7015, 0.2831, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 90.7015, 0.2831, 0.3342.

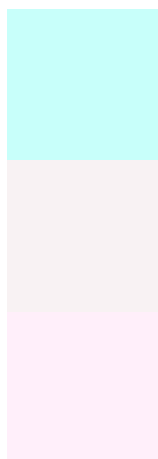


This preview shows how white text looks on a background with the Yxy color 90.7015, 0.2831, 0.3342.

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

90.7015, 0.2831, 0.3342

Protanopia

89.9318, 0.3160, 0.3280

Deuteranopia

89.8951, 0.3165, 0.3184



Tritanopia

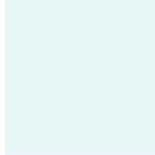
90.3995, 0.2969, 0.3209

Trichromacy



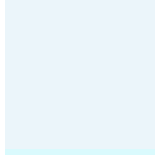
Original Color

90.7015, 0.2831, 0.3342



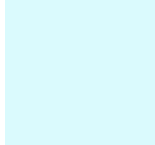
Protanomaly

90.1643, 0.3032, 0.3300



Deuteranomaly

89.8691, 0.3034, 0.3240



Tritanomaly

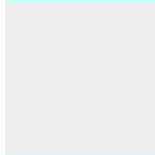
90.3685, 0.2915, 0.3259

Monochromacy



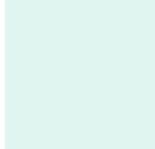
Original Color

90.7015, 0.2831, 0.3342



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.9595, 0.3012, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7015, 0.2831, 0.3342 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 250) }
```

Border

The CSS property to change the border of an element to Yxy 90.7015, 0.2831, 0.3342 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, 250) }
```

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

```
.border{ border-color:rgb(200, 255, 250) }
```

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, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 250);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7015, 0.2831, 0.3342 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, 250) }
```

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

```
.background{ background-color: rgb(200,  
255, 250) }
```

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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