

Converting Colors

$Y_{xy}(100.0000, 0.2861, 0.3451)$

Have a look what the booklet for
Yxy(100.0000, 0.2861, 0.3451)
contains.

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Color

Yxy(91.6701, 0.2854, 0.3320)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFFC
RGB	206, 255, 252
RGB Percent	81%, 100%, 99%
CMY	0.1918, 0.0001, 0.0117
CMYK	0.19, 0.00, 0.01, 0.00
HSL	176°, 100%, 90%
HSV	176°, 19%, 100%
XYZ	78.8032, 91.6701, 105.6415
YIQ	240.0070, -28.2410, -11.3210

Conversions

Conversions Part 2

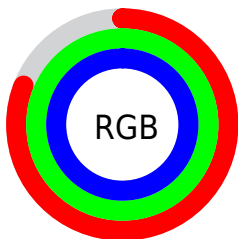
Format	Color
R_{YB}	206, 231, 255
Decimal	13565948
CIE _{Lab}	96.69, -15.99, -3.71
CIE _{LCh}	97, 16.418, 193.061
Yxy	91.6701, 0.2854, 0.3320
Android (android.graphics.Color)	4291756028 (0xFFCEFFFC)
YUV	240.0070, 5.9125, -29.8241
Hunter-Lab	95.7445, -20.6373, 1.6024

Details

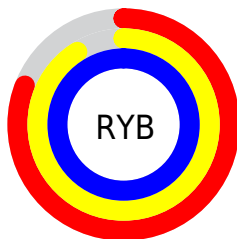
The Yxy color **91.6701, 0.2854, 0.3320** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.0499, 0.3484, 0.3261**, and the grayscale version is **87.1277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9076, 0.2799, 0.3329** is the 20% darker color. If you saturate the color by 10%, you get **88.2156, 0.2726, 0.3338**, and if you desaturate by 10%, it is **95.7250, 0.2993, 0.3304**.

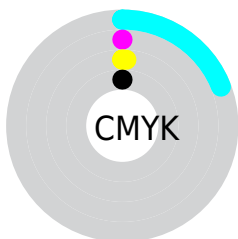
Distribution



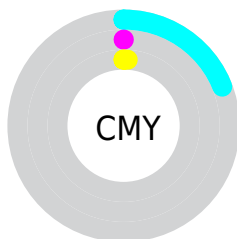
- Red (81%)
- Green (100%)
- Blue (99%)



- Red (81%)
- Yellow (91%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.6701, 0.2854, 0.3320 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 91.6701, 0.2854, 0.3320 by changing the saturation by 10% instead.


 91.6701, 0.2854,
0.3320

 91.6701, 0.2854,
0.3320


533.4488, 0.2974,
0.3308

 69.3667, 0.2828,
0.3322


149.6561, 0.2895,
0.3316

 51.0104, 0.2796,
0.3325


186.1074, 0.2911,
0.3314

 36.2169, 0.2757,
0.3329


228.0435, 0.2925,
0.3313

 24.6017, 0.2707,
0.3333

275.8487, 0.2937,
0.3312

 15.7806, 0.2641,
0.3337

329.9074, 0.2948,
0.3311

 9.3690, 0.2552,
0.3343

390.6041, 0.2958,

 4.9827, 0.2424,

0.3310

0.3350

458.3231, 0.2967,
0.3309

■ 2.2371, 0.2222,
0.3355

■ 0.7401, 0.1475,
0.3488

■ 91.6701, 0.2854,
0.3320

■ 91.6701, 0.2854,
0.3320

■ 88.2156, 0.2726,
0.3338

■ 95.7250, 0.2993,
0.3304

■ 85.3217, 0.2611,
0.3356

99.9904, 0.3127,
0.3290

■ 82.9613, 0.2512,
0.3376

■ 81.1006, 0.2432,
0.3396

■ 79.7021, 0.2371,
0.3417

■ 78.7225, 0.2330,
0.3437

■ 78.1110, 0.2307,
0.3458

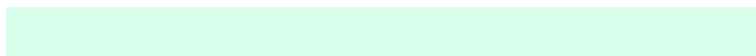
■ 77.7908, 0.2300,
0.3478

■ 77.7697, 0.2300,
0.3480

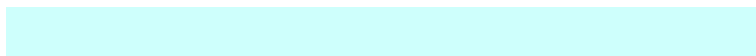
Harmonies

Analogous

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



91.6701, 0.2999, 0.3482



91.6701, 0.2854, 0.3320



91.6701, 0.2781, 0.3154

Triad

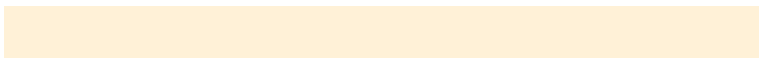
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.6701, 0.2854, 0.3320



91.6701, 0.3065, 0.3011



91.6701, 0.3466, 0.3541

Complementary

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



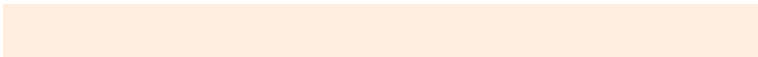
91.6701, 0.2854, 0.3320



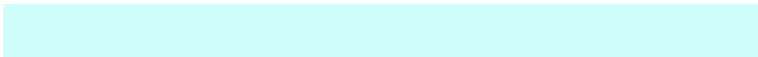
70.0499, 0.3484, 0.3261

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.



91.6701, 0.3486, 0.3409



91.6701, 0.2854, 0.3320



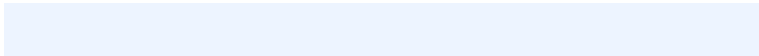
91.6701, 0.3251, 0.3109

Square

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



91.6701, 0.2854, 0.3320



91.6701, 0.2900, 0.2983



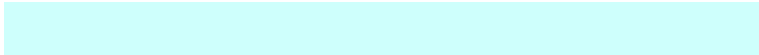
91.6701, 0.3406, 0.3252



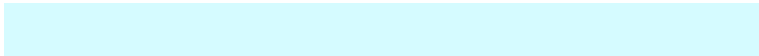
91.6701, 0.3353, 0.3610

Rectangle

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



91.6701, 0.2854, 0.3320



91.6701, 0.2782, 0.3066



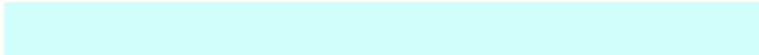
91.6701, 0.3406, 0.3252



91.6701, 0.3484, 0.3502

Sweetspot

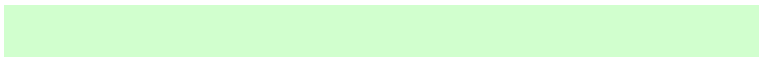
The Sweet Spot groups the original color and five complimentary colors.



91.6739, 0.2854, 0.3320



97.1530, 0.3039, 0.3299



89.5774, 0.3122, 0.3816



20.7313, 0.3029, 0.3300



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

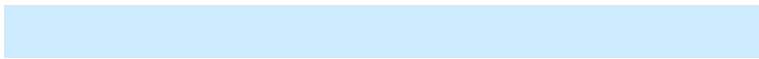
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.6739, 0.2854, 0.3320



90.2949, 0.2804, 0.3327



79.0840, 0.2825, 0.3065



20.4612, 0.2988, 0.3304



40.6500, 0.2299, 0.3476



3.9635, 0.2293, 0.3453

Inverse Universe

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



70.0499, 0.3484, 0.3261



65.0644, 0.3575, 0.3254



80.8080, 0.3467, 0.3505



18.0050, 0.3285, 0.3276



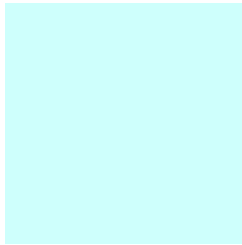
11.1345, 0.6339, 0.3266



1.0901, 0.6198, 0.3188

Previews

White Background



This preview shows how the Yxy color 91.6701, 0.2854, 0.3320 looks on a white background.

Color Contrast Check

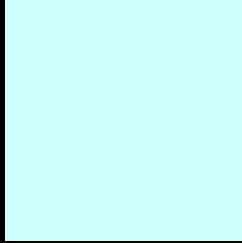
Large Text (above 18pt) WCAG AA × Fail

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 91.6701, 0.2854, 0.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

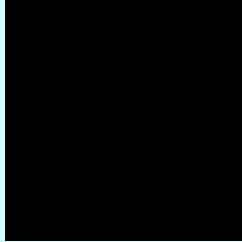
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.6701, 0.2854, 0.3320

Background



This preview shows how black text looks on a background with the Yxy color 91.6701, 0.2854, 0.3320.

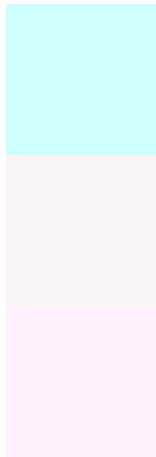


This preview shows how white text looks on a background with the Yxy color 91.6701, 0.2854, 0.3320.

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

91.6701, 0.2854, 0.3320

Protanopia

91.4337, 0.3154, 0.3280

Deuteranopia

91.1356, 0.3158, 0.3194



Tritanopia

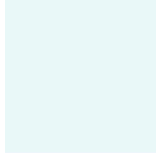
91.0652, 0.2993, 0.3210

Trichromacy



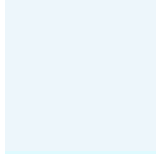
Original Color

91.6701, 0.2854, 0.3320



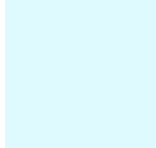
Protanomaly

91.2358, 0.3033, 0.3290



Deuteranomaly

90.8811, 0.3041, 0.3240



Tritanomaly

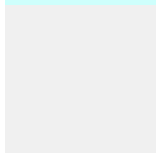
91.2149, 0.2939, 0.3249

Monochromacy



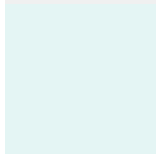
Original Color

91.6701, 0.2854, 0.3320



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.3304, 0.3025, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.6701, 0.2854, 0.3320 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(206, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 252)  
}
```

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(206, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 252) }
```

Border

The CSS property to change the border of an element to Yxy 91.6701, 0.2854, 0.3320 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(206, 255, 252) }
```

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

```
.border{ border-color:rgb(206, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 91.6701, 0.2854, 0.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 252) }
```

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

```
.background{ background-color: rgb(206,  
255, 252) }
```

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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