

Converting Colors

$Y_{xy}(100.0000, 0.2747, 0.3189)$

Have a look what the booklet for
Yxy(100.0000, 0.2747, 0.3189)
contains.

Yxy(91.8618, 0.2838, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(91.8618, 0.2838, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFFF
RGB	206, 255, 255
RGB Percent	81%, 100%, 100%
CMY	0.1921, 0.0000, 0.0000
CMYK	0.19, 0.00, 0.00, 0.00
HSL	180°, 100%, 90%
HSV	180°, 19%, 100%
XYZ	79.2654, 91.8618, 108.1729
YIQ	240.3490, -29.2040, -10.3880

Conversions

Conversions Part 2

Format	Color
R _Y B	206, 231, 255
Decimal	13565951
CIE Lab	96.76, -15.41, -5.14
CIE LCh	97, 16.251, 198.454
Yxy	91.8618, 0.2838, 0.3289
Android (android.graphics.Color)	4291756031 (0xFFCEFFFF)
YUV	240.3490, 7.2229, -30.1241
Hunter-Lab	95.8446, -20.1049, 0.1748

Details

The Yxy color **91.8618, 0.2838, 0.3289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.8602, 0.3508, 0.3291**, and the grayscale version is **87.3845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.0447, 0.2780, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **88.5037, 0.2703, 0.3289**, and if you desaturate by 10%, it is **95.8127, 0.2985, 0.3290**.

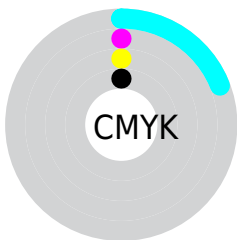
Distribution



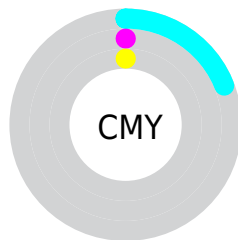
- Red (81%)
- Green (100%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.8618, 0.2838, 0.3289 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 91.8618, 0.2838, 0.3289 by changing the saturation by 10% instead.


 91.8618, 0.2838,
0.3289

 91.8618, 0.2838,
0.3289


534.0688, 0.2965,
0.3291

 69.5258, 0.2810,
0.3288


149.9218, 0.2881,
0.3290

 51.1401, 0.2777,
0.3287


186.4147, 0.2898,
0.3290

 36.3201, 0.2735,
0.3286


228.3953, 0.2913,
0.3290

 24.6815, 0.2683,
0.3284

276.2481, 0.2926,
0.3291

 15.8399, 0.2615,
0.3280

330.3575, 0.2937,
0.3291

 9.4110, 0.2521,
0.3274

391.1078, 0.2948,

 5.0102, 0.2387,

0.3291

0.3263

458.8834, 0.2957,
0.3291

■ 2.2532, 0.2177,
0.3240

■ 0.7488, 0.1474,
0.3292

■ 91.8618, 0.2838,
0.3289

■ 91.8618, 0.2838,
0.3289

■ 88.5037, 0.2703,
0.3289

■ 95.8127, 0.2985,
0.3290

■ 85.7088, 0.2583,
0.3288

100.0000, 0.3127,
0.3290

■ 83.4466, 0.2480,
0.3288

■ 81.6832, 0.2396,
0.3288

■ 80.3810, 0.2331,
0.3288

■ 79.4970, 0.2286,
0.3288

■ 78.9799, 0.2259,
0.3287

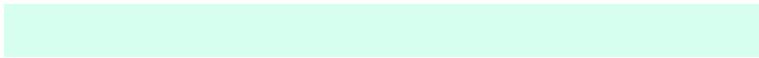
■ 78.7529, 0.2247,
0.3287

■ 78.7400, 0.2247,
0.3287

Harmonies

Analogous

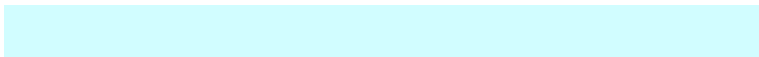
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8618, 0.2971, 0.3454



91.8618, 0.2838, 0.3289



91.8618, 0.2781, 0.3130

Triad

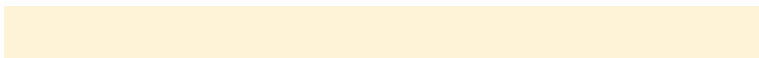
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.8618, 0.2838, 0.3289



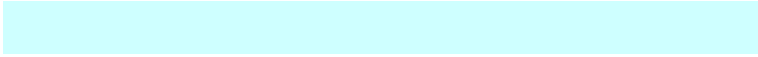
91.8618, 0.3098, 0.3027



91.8618, 0.3448, 0.3556

Complementary

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



91.8618, 0.2838, 0.3289



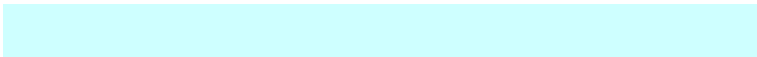
69.8602, 0.3508, 0.3291

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.



91.8618, 0.3486, 0.3434



91.8618, 0.2838, 0.3289



91.8618, 0.3281, 0.3133

Square

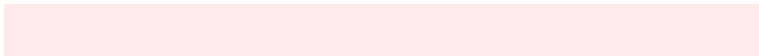
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.8618, 0.2838, 0.3289



91.8618, 0.2928, 0.2985



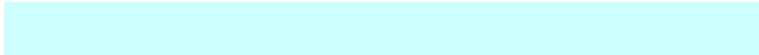
91.8618, 0.3424, 0.3280



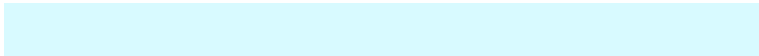
91.8618, 0.3323, 0.3610

Rectangle

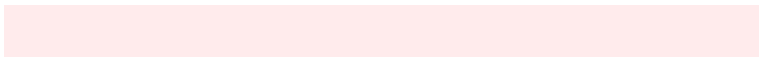
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.8618, 0.2838, 0.3289



91.8618, 0.2793, 0.3050



91.8618, 0.3424, 0.3280



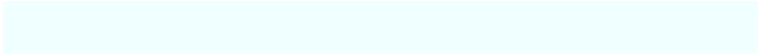
91.8618, 0.3471, 0.3521

Sweetspot

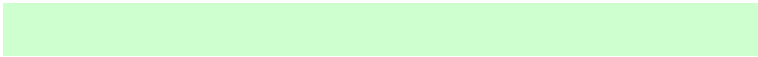
The Sweet Spot groups the original color and five complimentary colors.



91.8622, 0.2838, 0.3289



97.2128, 0.3034, 0.3290



89.0985, 0.3102, 0.3820



20.7455, 0.3024, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

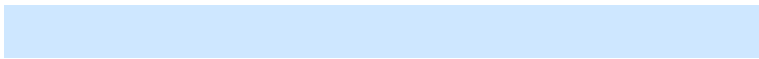
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.8622, 0.2838, 0.3289



90.5228, 0.2786, 0.3289



77.2152, 0.2823, 0.3030



20.4815, 0.2980, 0.3290



41.1433, 0.2247, 0.3287



4.0060, 0.2247, 0.3287

Inverse Universe

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



72.6238, 0.3150, 0.2811



68.1179, 0.3154, 0.2716



82.5894, 0.3461, 0.3537



18.3004, 0.3138, 0.3056



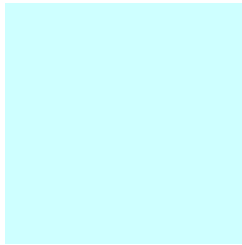
14.8814, 0.3209, 0.1542



1.4490, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 91.8618, 0.2838, 0.3289 looks on a white background.

Color Contrast Check

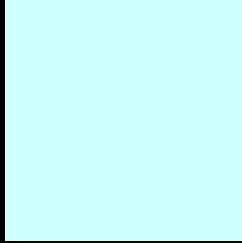
Large Text (above 18pt) WCAG AA × Fail

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 91.8618, 0.2838, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

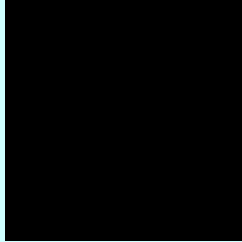
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.8618, 0.2838, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 91.8618, 0.2838, 0.3289.

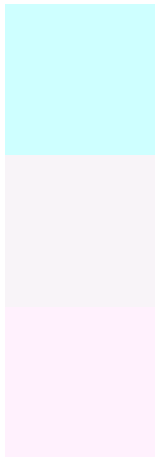


This preview shows how white text looks on a background with the Yxy color 91.8618, 0.2838, 0.3289.

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

91.8618, 0.2838, 0.3289

Protanopia

91.4351, 0.3129, 0.3251

Deuteranopia

91.2624, 0.3146, 0.3175



Tritanopia

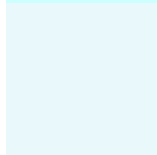
91.8472, 0.2999, 0.3220

Trichromacy



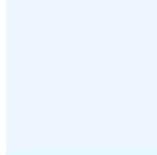
Original Color

91.8618, 0.2838, 0.3289



Protanomaly

91.4235, 0.3016, 0.3260



Deuteranomaly

91.0718, 0.3024, 0.3211



Tritanomaly

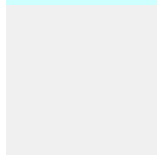
92.0617, 0.2940, 0.3249

Monochromacy



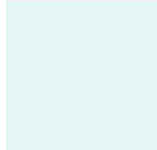
Original Color

91.8618, 0.2838, 0.3289



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.3914, 0.3019, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.8618, 0.2838, 0.3289 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, 255)` looks like.

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

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, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 91.8618, 0.2838, 0.3289 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, 255) }
```

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

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

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, 255)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 91.8618, 0.2838, 0.3289 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, 255) }
```

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor