

Converting Colors

$Y_{xy}(89.8462, 0.2717, 0.2871)$

Have a look what the booklet for
Yxy(89.8462, 0.2717, 0.2871)
contains.

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Color

Yxy(87.7305, 0.2891, 0.3197)

Conversions

Conversions Part 1

Format	Color
Hex	D8F6FF
RGB	216, 246, 255
RGB Percent	85%, 96%, 100%
CMY	0.1528, 0.0353, 0.0000
CMYK	0.15, 0.04, 0.00, 0.00
HSL	194°, 100%, 92%
HSV	194°, 15%, 100%
XYZ	79.3334, 87.7305, 107.3512
YIQ	238.0560, -20.7690, -3.5610

Conversions

Conversions Part 2

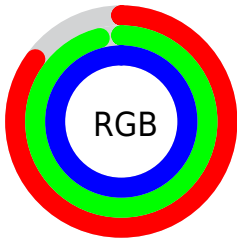
Format	Color
R_{YB}	216, 233, 255
Decimal	14219007
CIE _{Lab}	95.05, -7.88, -7.60
CIE _{LCh}	95, 10.947, 223.945
Yxy	87.7305, 0.2891, 0.3197
Android (android.graphics.Color)	4292409087 (0xFFD8F6FF)
YUV	238.0560, 8.3534, -19.3431
Hunter-Lab	93.6646, -12.7244, -2.3885

Details

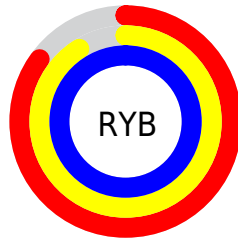
The Yxy color **87.7305, 0.2891, 0.3197** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0932, 0.3402, 0.3381**, and the grayscale version is **85.4997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.4812, 0.2844, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **80.6190, 0.2740, 0.3129**, and if you desaturate by 10%, it is **95.5656, 0.3045, 0.3259**.

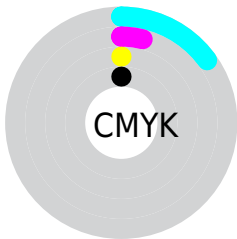
Distribution



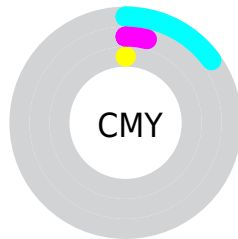
- Red (85%)
- Green (96%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7305, 0.2891, 0.3197 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 87.7305, 0.2891, 0.3197 by changing the saturation by 10% instead.

87.7305, 0.2891,
0.3197

87.7305, 0.2891,
0.3197

520.6203, 0.2996,
0.3240

66.0999, 0.2868,
0.3187

144.1819, 0.2927,
0.3212

48.3535, 0.2840,
0.3176

179.7715, 0.2941,
0.3217

34.1069, 0.2805,
0.3161

220.7829, 0.2953,
0.3222

22.9757, 0.2761,
0.3142

267.6004, 0.2964,
0.3227

14.5756, 0.2703,
0.3116

320.6085, 0.2973,
0.3231

8.5221, 0.2623,
0.3079

380.1916, 0.2982,

4.4308, 0.2507,

0.3234

0.3023

446.7341, 0.2989,
0.3237

■ 1.9173, 0.2321,
0.2930

■ 0.5588, 0.1654,
0.2729

■ 87.7305, 0.2891,
0.3197

■ 87.7305, 0.2891,
0.3197

■ 80.6190, 0.2740,
0.3129

■ 95.5656, 0.3045,
0.3259

■ 74.1915, 0.2597,
0.3055

99.9994, 0.3127,
0.3290

■ 68.4207, 0.2463,
0.2977

■ 63.2729, 0.2343,
0.2894

■ 58.7111, 0.2240,
0.2809

■ 54.6934, 0.2156,
0.2723

■ 51.1713, 0.2092,
0.2636

■ 48.0851, 0.2047,
0.2551

■ 46.7377, 0.2031,
0.2510

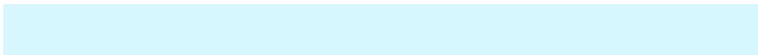
Harmonies

Analogous

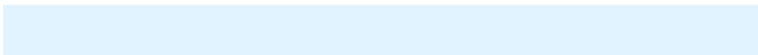
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7305, 0.2939, 0.3308



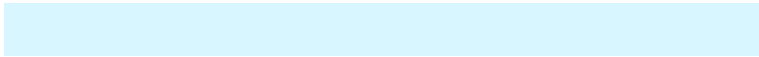
87.7305, 0.2891, 0.3197



87.7305, 0.2904, 0.3114

Triad

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



87.7305, 0.2891, 0.3197



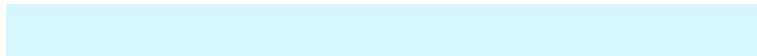
87.7305, 0.3215, 0.3169



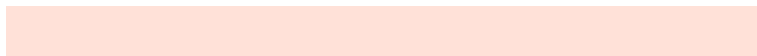
87.7305, 0.3278, 0.3506

Complementary

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



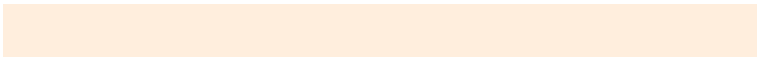
87.7305, 0.2891, 0.3197



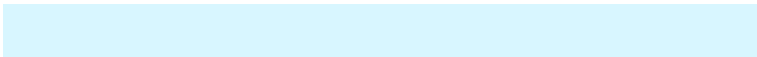
80.0932, 0.3402, 0.3381

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.



87.7305, 0.3354, 0.3463



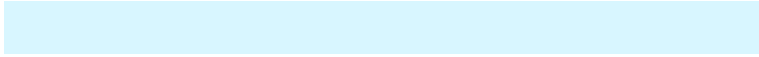
87.7305, 0.2891, 0.3197



87.7305, 0.3318, 0.3268

Square

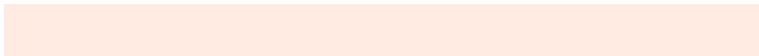
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



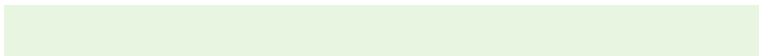
87.7305, 0.2891, 0.3197



87.7305, 0.3089, 0.3100



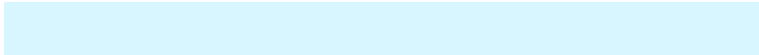
87.7305, 0.3369, 0.3376



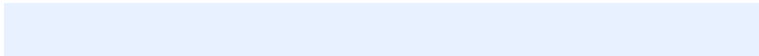
87.7305, 0.3161, 0.3489

Rectangle

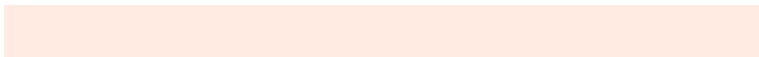
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.7305, 0.2891, 0.3197



87.7305, 0.2947, 0.3086



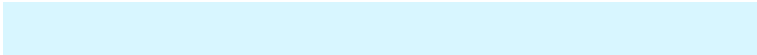
87.7305, 0.3369, 0.3376



87.7305, 0.3309, 0.3498

Sweetspot

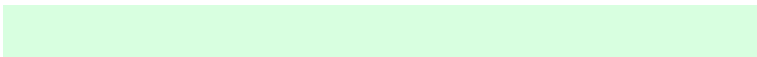
The Sweet Spot groups the original color and five complimentary colors.



87.7341, 0.2891, 0.3197



95.7966, 0.3050, 0.3261



91.5288, 0.3061, 0.3609



20.3812, 0.3039, 0.3257



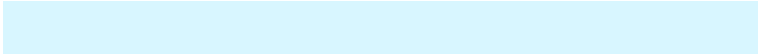
0.0000, 0.0000, 0.0000



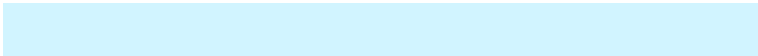
21.4041, 0.3127, 0.3290

Same Dimension

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



87.7341, 0.2891, 0.3197



85.7302, 0.2849, 0.3179



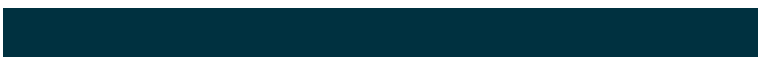
76.8088, 0.2883, 0.2998



19.7280, 0.2980, 0.3234



24.6615, 0.2035, 0.2525



2.5659, 0.2062, 0.2622

Inverse Universe

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



77.0483, 0.3205, 0.2996



73.4658, 0.3221, 0.2941



90.8944, 0.3373, 0.3566



18.2243, 0.3174, 0.3109



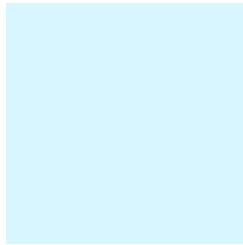
13.2176, 0.3898, 0.1921



1.3036, 0.3803, 0.1868

Previews

White Background



This preview shows how the Yxy color 87.7305, 0.2891, 0.3197 looks on a white background.

Color Contrast Check

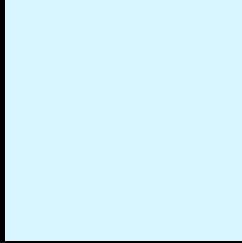
Large Text (above 18pt) WCAG AA × Fail

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 87.7305, 0.2891, 0.3197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

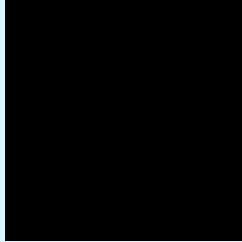
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

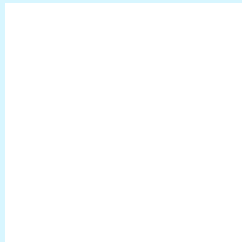
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.7305, 0.2891, 0.3197

Background



This preview shows how black text looks on a background with the Yxy color 87.7305, 0.2891, 0.3197.

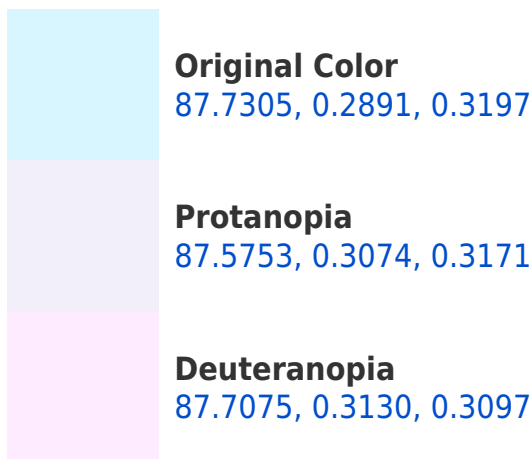


This preview shows how white text looks on a background with the Yxy color 87.7305, 0.2891, 0.3197.

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





Tritanopia

87.6521, 0.2956, 0.3168

Trichromacy



Original Color

87.7305, 0.2891, 0.3197

Protanomaly

87.8562, 0.3010, 0.3189

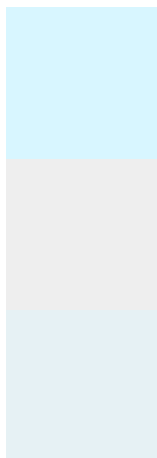
Deuteranomaly

87.4783, 0.3037, 0.3131

Tritanomaly

87.6093, 0.2932, 0.3178

Monochromacy



Original Color

87.7305, 0.2891, 0.3197

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.2652, 0.3038, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.7305, 0.2891, 0.3197 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(216, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 246, 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(216, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 246, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.7305, 0.2891, 0.3197 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(216, 246, 255) }
```

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

```
.border{ border-color:rgb(216, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 246,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.7305, 0.2891, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 246, 255) }
```

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

```
.background{ background-color: rgb(216,  
246, 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](#).

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