

Converting Colors

$Yxy(92.0238, 0.2511, 0.2704)$

Have a look what the booklet for
Yxy(92.0238, 0.2511, 0.2704)
contains.

Yxy(87.8165, 0.2775, 0.3247)	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(87.8165, 0.2775, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	C3FBFF
RGB	195, 251, 255
RGB Percent	76%, 98%, 100%
CMY	0.2353, 0.0157, 0.0001
CMYK	0.24, 0.02, 0.00, 0.00
HSL	184°, 100%, 88%
HSV	184°, 24%, 100%
XYZ	75.0511, 87.8165, 107.5867
YIQ	234.7120, -34.6600, -10.6280

Conversions

Conversions Part 2

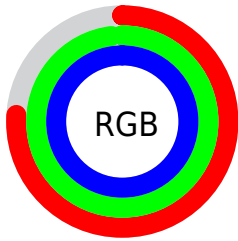
Format	Color
RYB	195, 224, 255
Decimal	12844031
CIELab	95.08, -16.67, -7.68
CIElCh	95, 18.350, 204.740
Yxy	87.8165, 0.2775, 0.3247
Android (android.graphics.Color)	4291034111 (0xFFC3FBFF)
YUV	234.7120, 10.0020, -34.8274
Hunter-Lab	93.7105, -21.0358, -2.4721

Details

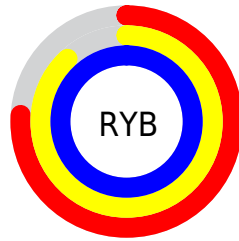
The Yxy color **87.8165, 0.2775, 0.3247** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.0362, 0.3609, 0.3333**, and the grayscale version is **82.7919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **48.2362, 0.2702, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **83.6568, 0.2642, 0.3227**, and if you desaturate by 10%, it is **92.5727, 0.2920, 0.3266**.

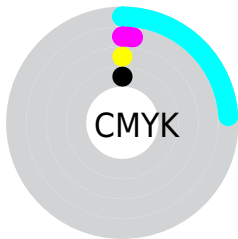
Distribution



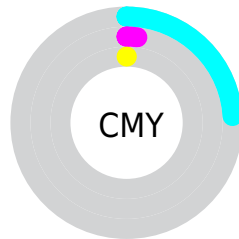
- Red (76%)
- Green (98%)
- Blue (100%)



- Red (76%)
- Yellow (88%)
- Blue (100%)



- Cyan (24%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8165, 0.2775, 0.3247 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 87.8165, 0.2775, 0.3247 by changing the saturation by 10% instead.


 87.8165, 0.2775,
0.3247

 87.8165, 0.2775,
0.3247


520.9021, 0.2931,
0.3269

 66.1711, 0.2741,
0.3242


144.3017, 0.2828,
0.3255

 48.4113, 0.2700,
0.3235


179.9102, 0.2849,
0.3258

 34.1527, 0.2649,
0.3227


220.9420, 0.2867,
0.3260

 23.0110, 0.2584,
0.3215

267.7813, 0.2883,
0.3262

 14.6016, 0.2499,
0.3199

320.8125, 0.2897,
0.3264

 8.5403, 0.2383,
0.3175

380.4202, 0.2909,

 4.4425, 0.2215,

0.3266

0.3135

446.9886, 0.2921,
0.3267

■ 1.9241, 0.1954,
0.3063

■ 0.5628, 0.0691,
0.3038

■ 87.8165, 0.2775,
0.3247

■ 87.8165, 0.2775,
0.3247

■ 83.6568, 0.2642,
0.3227

■ 92.5727, 0.2920,
0.3266

■ 80.0534, 0.2522,
0.3205

■ 97.9421, 0.3072,
0.3284

■ 76.9778, 0.2420,
0.3183

■ 99.9989, 0.3127,
0.3290

■ 74.3947, 0.2336,
0.3160

■ 72.2643, 0.2271,
0.3137

■ 70.5404, 0.2226,
0.3114

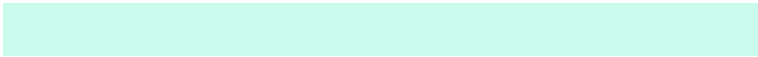
■ 69.1670, 0.2199,
0.3092

■ 68.4123, 0.2188,
0.3078

Harmonies

Analogous

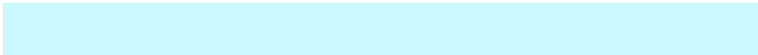
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8165, 0.2910, 0.3441



87.8165, 0.2775, 0.3247



87.8165, 0.2732, 0.3073

Triad

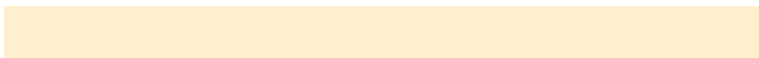
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8165, 0.2775, 0.3247



87.8165, 0.3138, 0.3010



87.8165, 0.3472, 0.3615

Complementary

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



87.8165, 0.2775, 0.3247



66.0362, 0.3609, 0.3333

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.



87.8165, 0.3539, 0.3487



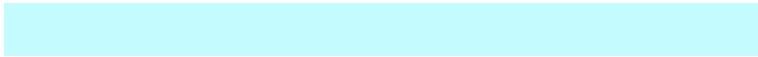
87.8165, 0.2775, 0.3247



87.8165, 0.3343, 0.3143

Square

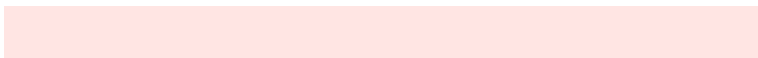
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8165, 0.2775, 0.3247



87.8165, 0.2936, 0.2945



87.8165, 0.3492, 0.3315



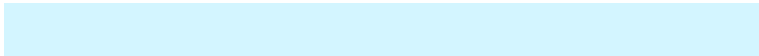
87.8165, 0.3312, 0.3658

Rectangle

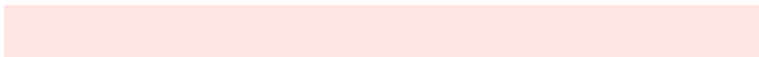
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8165, 0.2775, 0.3247



87.8165, 0.2759, 0.2993



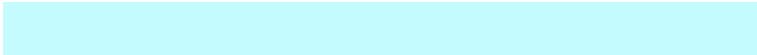
87.8165, 0.3492, 0.3315



87.8165, 0.3506, 0.3580

Sweetspot

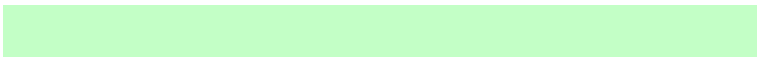
The Sweet Spot groups the original color and five complimentary colors.



87.8201, 0.2775, 0.3247



96.0175, 0.3018, 0.3278



87.1896, 0.3079, 0.3922



20.4813, 0.3009, 0.3277



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.



87.8201, 0.2775, 0.3247



85.8975, 0.2714, 0.3238



71.0621, 0.2749, 0.2930



20.2630, 0.2980, 0.3274



35.8403, 0.2189, 0.3081



3.5493, 0.2196, 0.3107

Inverse Universe

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



67.2551, 0.3183, 0.2739



62.2938, 0.3195, 0.2633



80.6804, 0.3542, 0.3625



18.2784, 0.3148, 0.3071



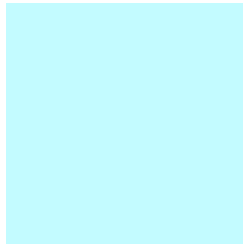
14.3461, 0.3383, 0.1637



1.4028, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 87.8165, 0.2775, 0.3247 looks on a white background.

Color Contrast Check

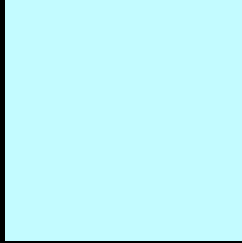
Large Text (above 18pt) WCAG AA × Fail

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 87.8165, 0.2775, 0.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

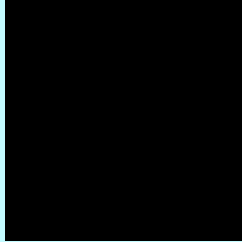
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8165, 0.2775, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 87.8165, 0.2775, 0.3247.

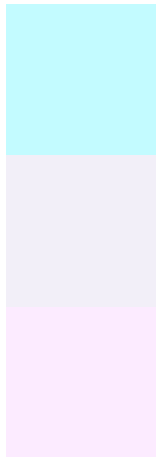


This preview shows how white text looks on a background with the Yxy color 87.8165, 0.2775, 0.3247.

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

87.8165, 0.2775, 0.3247

Protanopia

87.3876, 0.3092, 0.3201

Deuteranopia

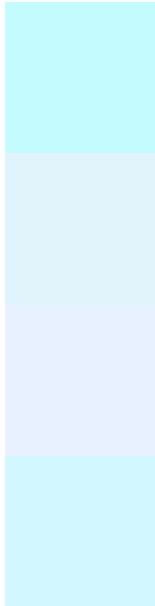
87.3321, 0.3116, 0.3096



Tritanopia

87.7405, 0.2914, 0.3187

Trichromacy



Original Color

87.8165, 0.2775, 0.3247

Protanomaly

87.0738, 0.2966, 0.3208

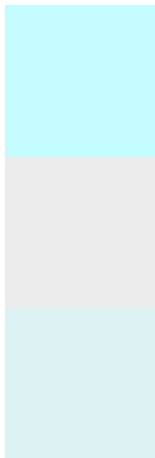
Deuteranomaly

87.1195, 0.2981, 0.3149

Tritanomaly

87.5904, 0.2862, 0.3207

Monochromacy



Original Color

87.8165, 0.2775, 0.3247

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.5370, 0.2987, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8165, 0.2775, 0.3247 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(195, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(195, 251, 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(195, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.8165, 0.2775, 0.3247 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(195, 251, 255) }
```

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

```
.border{ border-color:rgb(195, 251, 255) }
```

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

Here you see how a box with a 4 pixel rgb(195, 251, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(195, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8165, 0.2775, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 251, 255) }
```

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

```
.background{ background-color: rgb(195,  
251, 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