

Converting Colors

$Yxy(92.0933, 0.2371, 0.2461)$

Have a look what the booklet for
Yxy(92.0933, 0.2371, 0.2461)
contains.

Yxy(85.5362, 0.2730, 0.3225)	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(85.5362, 0.2730, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	BBF9FF
RGB	187, 249, 255
RGB Percent	73%, 98%, 100%
CMY	0.2669, 0.0235, 0.0001
CMYK	0.27, 0.02, 0.00, 0.00
HSL	185°, 100%, 87%
HSV	185°, 27%, 100%
XYZ	72.4074, 85.5362, 107.2849
YIQ	231.1460, -38.8780, -11.2780

Conversions

Conversions Part 2

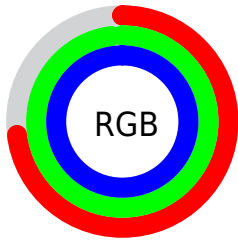
Format	Color
RYB	187, 219, 255
Decimal	12319231
CIELab	94.11, -17.98, -9.17
CIElCh	94, 20.178, 207.015
Yxy	85.5362, 0.2730, 0.3225
Android (android.graphics.Color)	4290509311 (0xFFBBF9FF)
YUV	231.1460, 11.7600, -38.7160
Hunter-Lab	92.4858, -22.1020, -4.0373

Details

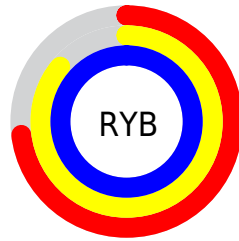
The Yxy color **85.5362, 0.2730, 0.3225** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.9455, 0.3690, 0.3354**, and the grayscale version is **79.9524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1525, 0.3066, 0.3290**, and **46.6820, 0.2647, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **81.2312, 0.2599, 0.3197**, and if you desaturate by 10%, it is **90.4354, 0.2872, 0.3251**.

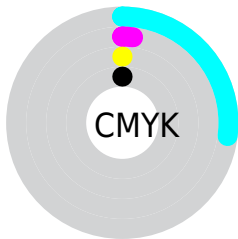
Distribution



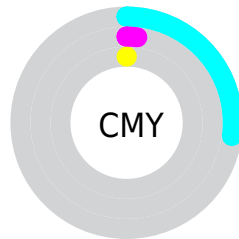
- Red (73%)
- Green (98%)
- Blue (100%)



- Red (73%)
- Yellow (86%)
- Blue (100%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 85.5362, 0.2730, 0.3225 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 85.5362, 0.2730, 0.3225 by changing the saturation by 10% instead.

 85.5362, 0.2730,
0.3225

 85.5362, 0.2730,
0.3225

513.4007, 0.2906,
0.3257

 64.2845, 0.2691,
0.3217


 141.1221, 0.2790,
0.3236

 46.8812, 0.2645,
0.3208


176.2251, 0.2813,
0.3241

 32.9417, 0.2587,
0.3195


216.7140, 0.2834,
0.3245

 22.0818, 0.2513,
0.3178

262.9732, 0.2852,
0.3248

 13.9170, 0.2417,
0.3155

315.3870, 0.2868,
0.3251

 8.0630, 0.2285,
0.3119

374.3400, 0.2882,

 4.1353, 0.2094,

0.3253

0.3062

440.2164, 0.2895,
0.3255

■ 1.7495, 0.1798,
0.2958

■ 0.4554, 0.0000,
0.2842

■ 85.5362, 0.2730,
0.3225

■ 85.5362, 0.2730,
0.3225

■ 81.2312, 0.2599,
0.3197

■ 90.4354, 0.2872,
0.3251

■ 77.4799, 0.2483,
0.3168

■ 95.9465, 0.3023,
0.3275

■ 74.2525, 0.2383,
0.3139

■ 99.9988, 0.3127,
0.3290

■ 71.5125, 0.2302,
0.3108

■ 69.2183, 0.2241,
0.3077

■ 67.3212, 0.2199,
0.3047

■ 65.7599, 0.2175,
0.3017

■ 65.2851, 0.2169,
0.3007

Harmonies

Analogous

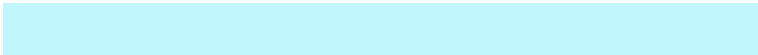
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.5362, 0.2872, 0.3442



85.5362, 0.2730, 0.3225



85.5362, 0.2691, 0.3037

Triad

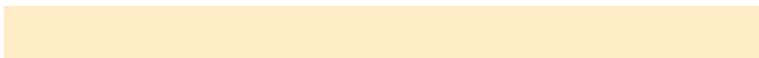
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5362, 0.2730, 0.3225



85.5362, 0.3157, 0.2990



85.5362, 0.3499, 0.3657

Complementary

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



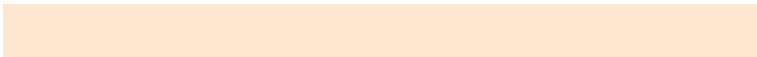
85.5362, 0.2730, 0.3225



62.9455, 0.3690, 0.3354

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.



85.5362, 0.3584, 0.3520



85.5362, 0.2730, 0.3225



85.5362, 0.3382, 0.3141

Square

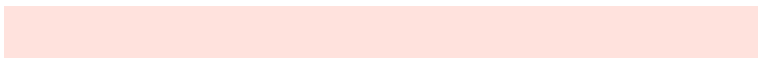
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5362, 0.2730, 0.3225



85.5362, 0.2930, 0.2911



85.5362, 0.3541, 0.3332



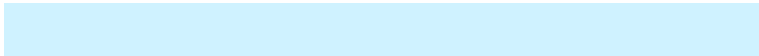
85.5362, 0.3315, 0.3698

Rectangle

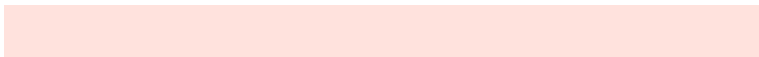
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



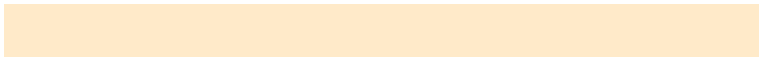
85.5362, 0.2730, 0.3225



85.5362, 0.2727, 0.2953



85.5362, 0.3541, 0.3332



85.5362, 0.3540, 0.3620

Sweetspot

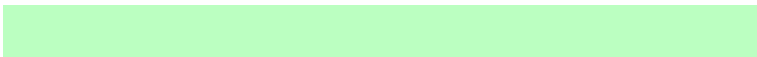
The Sweet Spot groups the original color and five complimentary colors.



85.5396, 0.2730, 0.3225



95.1983, 0.3003, 0.3272



85.9006, 0.3060, 0.3994



20.1929, 0.2980, 0.3268



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

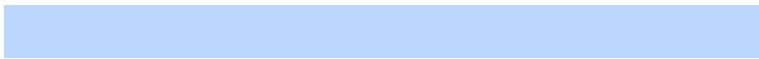
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.5396, 0.2730, 0.3225



83.1898, 0.2659, 0.3211



66.5303, 0.2693, 0.2849



20.1929, 0.2980, 0.3268



34.2312, 0.2170, 0.3012



3.4097, 0.2180, 0.3047

Inverse Universe

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



63.6175, 0.3202, 0.2677



58.0685, 0.3220, 0.2555



79.5817, 0.3601, 0.3694



18.2713, 0.3152, 0.3076



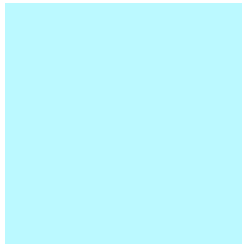
14.1836, 0.3443, 0.1670



1.3888, 0.3413, 0.1654

Previews

White Background



This preview shows how the Yxy color 85.5362, 0.2730, 0.3225 looks on a white background.

Color Contrast Check

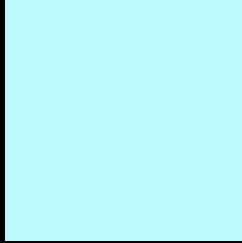
Large Text (above 18pt) WCAG AA × Fail

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 85.5362, 0.2730, 0.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

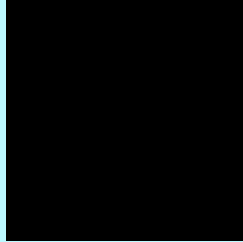
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 85.5362, 0.2730, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 85.5362, 0.2730, 0.3225.

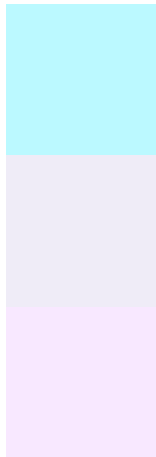


This preview shows how white text looks on a background with the Yxy color 85.5362, 0.2730, 0.3225.

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

85.5362, 0.2730, 0.3225

Protanopia

85.0570, 0.3080, 0.3180

Deuteranopia

84.8897, 0.3091, 0.3065



Tritanopia

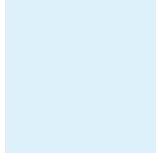
85.1701, 0.2860, 0.3165

Trichromacy



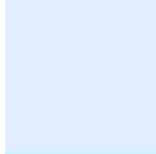
Original Color

85.5362, 0.2730, 0.3225



Protanomaly

85.0284, 0.2941, 0.3197



Deuteranomaly

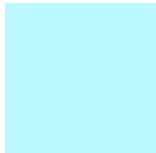
84.5378, 0.2949, 0.3117



Tritanomaly

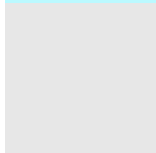
85.0814, 0.2809, 0.3184

Monochromacy



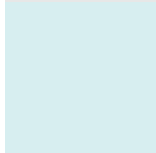
Original Color

85.5362, 0.2730, 0.3225



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

81.8874, 0.2967, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.5362, 0.2730, 0.3225 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(187, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 249, 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(187, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 85.5362, 0.2730, 0.3225 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(187, 249, 255) }
```

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

```
.border{ border-color:rgb(187, 249, 255) }
```

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

Here you see how a box with a 4 pixel rgb(187, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 85.5362, 0.2730, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 249, 255) }
```

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

```
.background{ background-color: rgb(187,  
249, 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