

Converting Colors

$Yxy(85.6738, 0.2757, 0.3427)$

Have a look what the booklet for
Yxy(85.6738, 0.2757, 0.3427)
contains.

Yxy(85.8889, 0.2757, 0.3432)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(85.8889, 0.2757, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	B1FDF0
RGB	177, 253, 240
RGB Percent	69%, 99%, 94%
CMY	0.3056, 0.0079, 0.0588
CMYK	0.30, 0.00, 0.05, 0.01
HSL	170°, 95%, 84%
HSV	170°, 30%, 99%
XYZ	68.9964, 85.8889, 95.3737
YIQ	228.7940, -41.1230, -20.1550

Conversions

Conversions Part 2

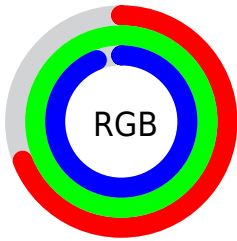
Format	Color
RYB	177, 219, 253
Decimal	11664880
CIELab	94.26, -25.91, -1.25
CIELCh	94, 25.944, 182.759
Yxy	85.8889, 0.2757, 0.3432
Android (android.graphics.Color)	4289854960 (0xFFB1FDF0)
YUV	228.7940, 5.5246, -45.4233
Hunter-Lab	92.6763, -29.2923, 3.8577

Details

The Yxy color **85.8889, 0.2757, 0.3432** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.0766, 0.3687, 0.3155**, and the grayscale version is **78.1894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **47.0781, 0.2678, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **82.9358, 0.2654, 0.3487**, and if you desaturate by 10%, it is **89.4058, 0.2872, 0.3381**.

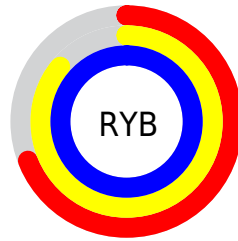
Distribution



Red (69%)

Green (99%)

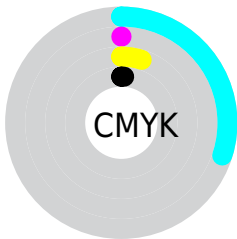
Blue (94%)



Red (69%)

Yellow (86%)

Blue (99%)

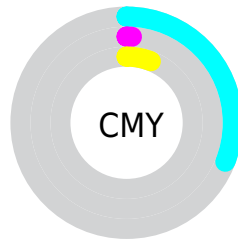


Cyan (30%)

Magenta (0%)

Yellow (5%)

Black (1%)



Cyan (31%)


Magenta (1%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 85.8889, 0.2757, 0.3432 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 85.8889, 0.2757, 0.3432 by changing the saturation by 10% instead.


 85.8889, 0.2757,
0.3432

 85.8889, 0.2757,
0.3432

514.5648, 0.2922,
0.3369

 64.5761, 0.2721,
0.3446


 141.6144, 0.2813,
0.3411

 47.1174, 0.2676,
0.3462


176.7960, 0.2836,
0.3402

 33.1285, 0.2621,
0.3483


217.3692, 0.2855,
0.3395

 22.2249, 0.2550,
0.3509

263.7186, 0.2872,
0.3389

 14.0223, 0.2457,
0.3544

316.2284, 0.2887,
0.3383

 8.1361, 0.2329,
0.3590

375.2831, 0.2900,

 4.1822, 0.2140,

0.3378

0.3658

441.2671, 0.2912,
0.3373

■ 1.7760, 0.1840,
0.3762

■ 0.4721, 0.0000,
0.4398

■ 85.8889, 0.2757,
0.3432

■ 85.8889, 0.2757,
0.3432

■ 82.9358, 0.2654,
0.3487

■ 89.4058, 0.2872,
0.3381

■ 80.5057, 0.2566,
0.3545


■ 93.5044, 0.2997,
0.3333


■ 78.5684, 0.2495,
0.3605


■ 98.2143, 0.3127,
0.3290

■ 77.0867, 0.2444,
0.3667

■ 98.7254, 0.3128,
0.3271

 76.0179, 0.2412,
0.3730

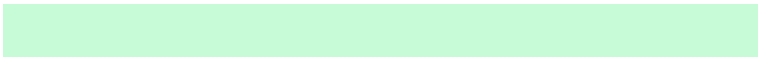
 75.3109, 0.2400,
0.3792

 74.8824, 0.2404,
0.3853

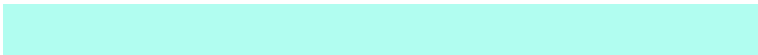
Harmonies

Analogous

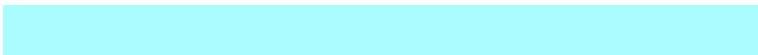
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8889, 0.3014, 0.3682



85.8889, 0.2757, 0.3432



85.8889, 0.2601, 0.3151

Triad

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



85.8889, 0.2757, 0.3432



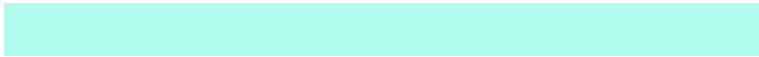
85.8889, 0.2925, 0.2820



85.8889, 0.3705, 0.3620

Complementary

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



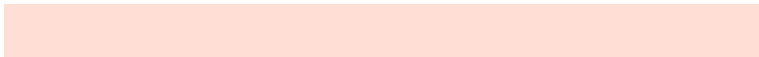
85.8889, 0.2757, 0.3432



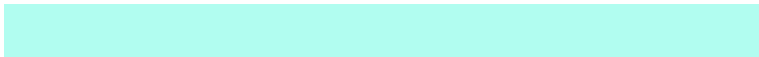
56.0766, 0.3687, 0.3155

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.



85.8889, 0.3683, 0.3387



85.8889, 0.2757, 0.3432



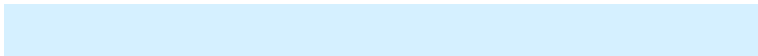
85.8889, 0.3221, 0.2940

Square

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



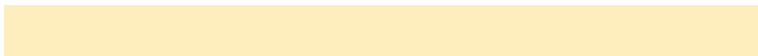
85.8889, 0.2757, 0.3432



85.8889, 0.2694, 0.2813



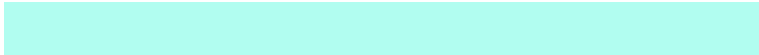
85.8889, 0.3503, 0.3143



85.8889, 0.3566, 0.3781

Rectangle

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



85.8889, 0.2757, 0.3432



85.8889, 0.2571, 0.2991



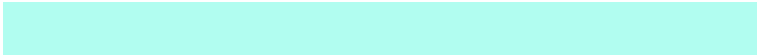
85.8889, 0.3503, 0.3143



85.8889, 0.3717, 0.3547

Sweetspot

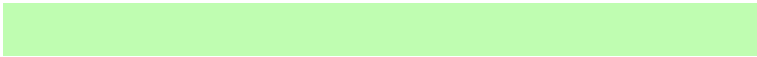
The Sweet Spot groups the original color and five complimentary colors.



85.8924, 0.2757, 0.3432



95.6537, 0.3009, 0.3329



84.4984, 0.3171, 0.4150



20.3337, 0.2991, 0.3335



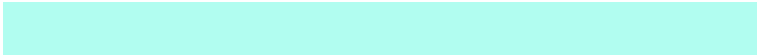
0.0000, 0.0000, 0.0000



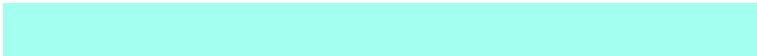
21.4041, 0.3127, 0.3290

Same Dimension

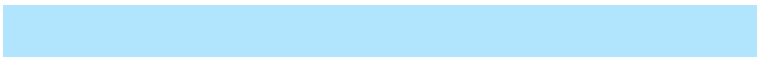
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.8924, 0.2757, 0.3432



85.5764, 0.2693, 0.3465



72.4595, 0.2663, 0.3021



20.4249, 0.3003, 0.3331



39.8568, 0.2401, 0.3843



3.8942, 0.2381, 0.3772

Inverse Universe

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



56.0766, 0.3687, 0.3155



50.7768, 0.3849, 0.3127



65.8861, 0.3730, 0.3543



18.0378, 0.3267, 0.3250



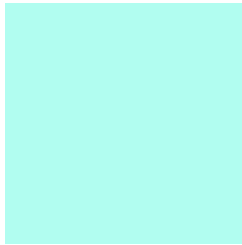
11.2172, 0.6151, 0.3162



1.1056, 0.5869, 0.3007

Previews

White Background



This preview shows how the Yxy color 85.8889, 0.2757, 0.3432 looks on a white background.

Color Contrast Check

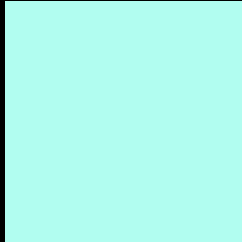
Large Text (above 18pt) WCAG AA × Fail

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 85.8889, 0.2757, 0.3432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

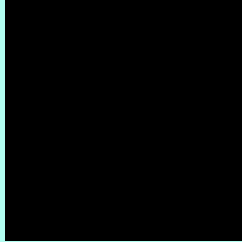
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

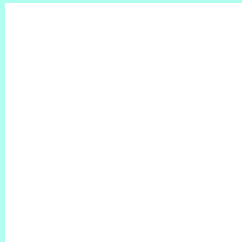
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 85.8889, 0.2757, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 85.8889, 0.2757, 0.3432.

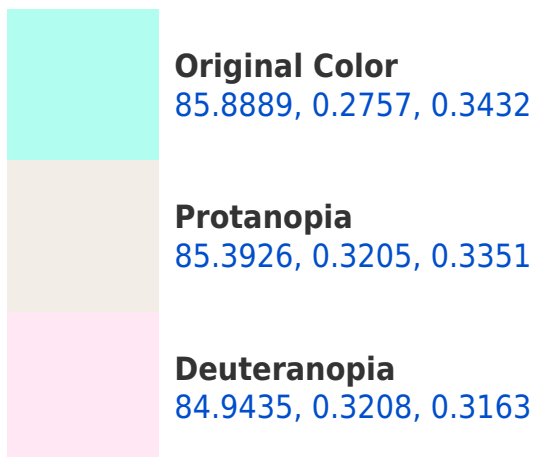


This preview shows how white text looks on a background with the Yxy color 85.8889, 0.2757, 0.3432.

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

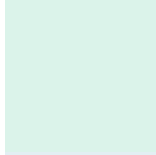
85.6230, 0.2854, 0.3175

Trichromacy



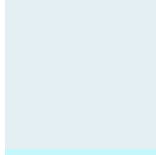
Original Color

85.8889, 0.2757, 0.3432



Protanomaly

85.1018, 0.3027, 0.3384



Deuteranomaly

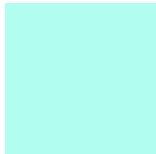
84.5350, 0.3025, 0.3249



Tritanomaly

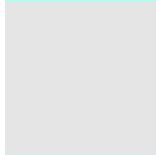
85.4294, 0.2814, 0.3257

Monochromacy



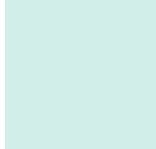
Original Color

85.8889, 0.2757, 0.3432



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.7339, 0.2976, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 85.8889, 0.2757, 0.3432 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(177, 253, 240)` looks like.

```
.text, #text, p{  
    color:rgb(177, 253, 240)  
}
```

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(177, 253, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 253, 240) }
```

Border

The CSS property to change the border of an element to Yxy 85.8889, 0.2757, 0.3432 is called "border". The border property can be set on classes, ids or directly on the HTML element.

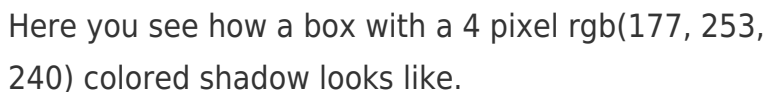
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 253, 240) }
```

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

```
.border{ border-color:rgb(177, 253, 240) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 253, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 253, 240); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 253, 240); box-shadow:4px 4px 4px 4px rgb(177, 253, 240) }
```


Background

The CSS property to change the background color of an element to Yxy 85.8889, 0.2757, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 253, 240) }
```

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

```
.background{ background-color: rgb(177,  
253, 240) }
```

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