

Converting Colors

$Y_{xy}(91.3270, 0.2507, 0.2739)$

Have a look what the booklet for
Yxy(91.3270, 0.2507, 0.2739)
contains.

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Color

Yxy(87.1615, 0.2748, 0.3246)

Conversions

Conversions Part 1

Format	Color
Hex	BEFBFF
RGB	190, 251, 255
RGB Percent	75%, 98%, 100%
CMY	0.2548, 0.0157, 0.0000
CMYK	0.25, 0.02, 0.00, 0.00
HSL	184°, 100%, 87%
HSV	184°, 25%, 100%
XYZ	73.7892, 87.1615, 107.5690
YIQ	233.2170, -37.6400, -11.6880

Conversions

Conversions Part 2

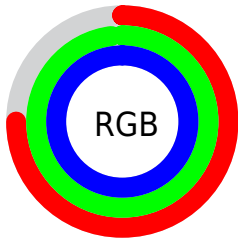
Format	Color
R_{YB}	190, 221, 255
Decimal	12516351
CIE _{Lab}	94.81, -18.08, -8.15
CIE _{LCh}	95, 19.828, 204.258
Yxy	87.1615, 0.2748, 0.3246
Android (android.graphics.Color)	4290706431 (0xFFBEFBFF)
YUV	233.2170, 10.7390, -37.9013
Hunter-Lab	93.3603, -22.2995, -2.9612

Details

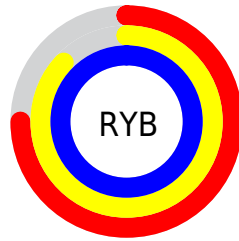
The Yxy color **87.1615, 0.2748, 0.3246** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.5709, 0.3662, 0.3333**, and the grayscale version is **81.5991, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **47.8117, 0.2670, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **83.1841, 0.2618, 0.3227**, and if you desaturate by 10%, it is **91.7242, 0.2891, 0.3265**.

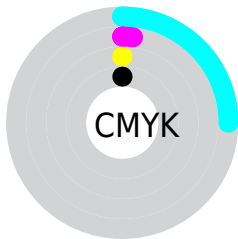
Distribution



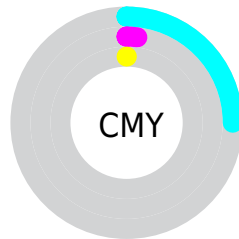
- Red (75%)
- Green (98%)
- Blue (100%)



- Red (75%)
- Yellow (87%)
- Blue (100%)



- Cyan (25%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (25%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1615, 0.2748, 0.3246 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 87.1615, 0.2748, 0.3246 by changing the saturation by 10% instead.

 87.1615, 0.2748,
0.3246

 87.1615, 0.2748,
0.3246

518.7534, 0.2916,
0.3268

 65.6289, 0.2711,
0.3241


 143.3892, 0.2805,
0.3254

 47.9712, 0.2667,
0.3234


178.8531, 0.2827,
0.3257

 33.8041, 0.2612,
0.3225


219.7295, 0.2847,
0.3260

 22.7431, 0.2542,
0.3212

266.4028, 0.2864,
0.3262

 14.4039, 0.2451,
0.3195

319.2575, 0.2879,
0.3264

 8.4021, 0.2326,
0.3169

378.6779, 0.2893,

 4.3533, 0.2146,

0.3266

0.3126

445.0484, 0.2905,
0.3267

1.8731, 0.1866,
0.3046

0.5321, 0.0367,
0.3028

87.1615, 0.2748,
0.3246

87.1615, 0.2748,
0.3246

83.1841, 0.2618,
0.3227

91.7242, 0.2891,
0.3265

79.7580, 0.2502,
0.3207

96.8959, 0.3042,
0.3281

76.8518, 0.2403,
0.3186

100.0000, 0.3127,
0.3290

74.4295, 0.2324,
0.3165

■ 72.4502, 0.2263,
0.3144

■ 70.8663, 0.2223,
0.3123

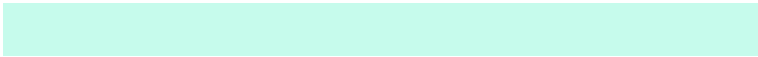
■ 69.6188, 0.2199,
0.3102

■ 69.1272, 0.2193,
0.3093

Harmonies

Analogous

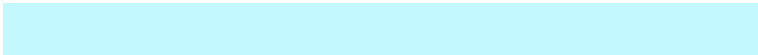
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1615, 0.2895, 0.3457



87.1615, 0.2748, 0.3246



87.1615, 0.2700, 0.3057

Triad

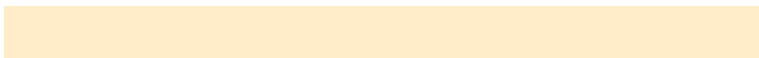
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.1615, 0.2748, 0.3246



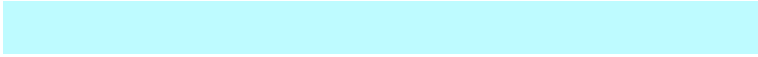
87.1615, 0.3135, 0.2986



87.1615, 0.3503, 0.3640

Complementary

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



87.1615, 0.2748, 0.3246



63.5709, 0.3662, 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.



87.1615, 0.3574, 0.3500



87.1615, 0.2748, 0.3246



87.1615, 0.3358, 0.3129

Square

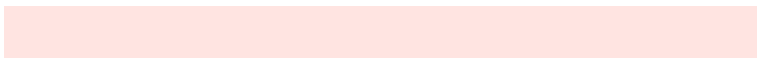
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.1615, 0.2748, 0.3246



87.1615, 0.2917, 0.2917



87.1615, 0.3521, 0.3314



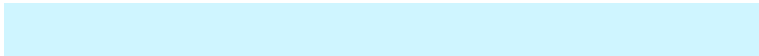
87.1615, 0.3330, 0.3689

Rectangle

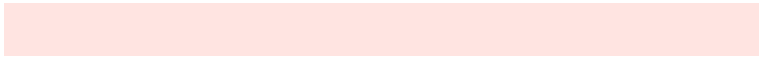
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



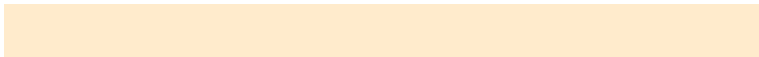
87.1615, 0.2748, 0.3246



87.1615, 0.2728, 0.2970



87.1615, 0.3521, 0.3314



87.1615, 0.3540, 0.3601

Sweetspot

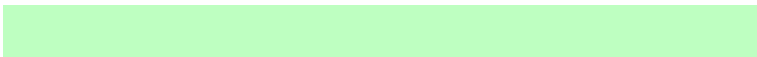
The Sweet Spot groups the original color and five complimentary colors.



87.1629, 0.2748, 0.3246



95.5353, 0.3003, 0.3277



86.3317, 0.3075, 0.3983



20.2785, 0.2980, 0.3275



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

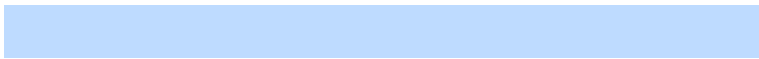
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1629, 0.2748, 0.3246



84.8977, 0.2675, 0.3236



68.9683, 0.2716, 0.2896



20.2785, 0.2980, 0.3275



36.2027, 0.2194, 0.3096



3.5807, 0.2200, 0.3120

Inverse Universe

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



65.0597, 0.3186, 0.2690



59.2015, 0.3201, 0.2559



79.2398, 0.3582, 0.3654



18.2799, 0.3148, 0.3070



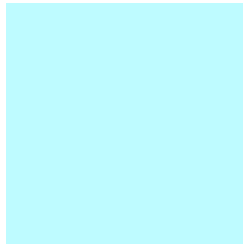
14.3827, 0.3370, 0.1630



1.4060, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 87.1615, 0.2748, 0.3246 looks on a white background.

Color Contrast Check

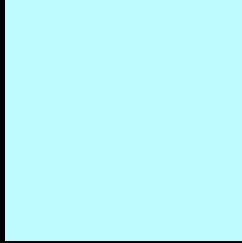
Large Text (above 18pt) WCAG AA × Fail

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 87.1615, 0.2748, 0.3246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

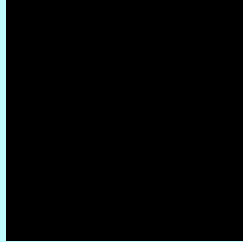
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

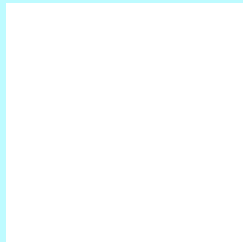
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1615, 0.2748, 0.3246

Background



This preview shows how black text looks on a background with the Yxy color 87.1615, 0.2748, 0.3246.

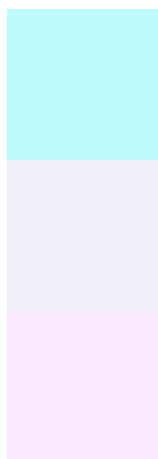


This preview shows how white text looks on a background with the Yxy color 87.1615, 0.2748, 0.3246.

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

87.1615, 0.2748, 0.3246

Protanopia

86.5652, 0.3092, 0.3200

Deuteranopia

86.5749, 0.3110, 0.3086



Tritanopia

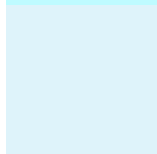
86.6731, 0.2896, 0.3176

Trichromacy



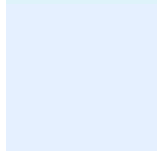
Original Color

87.1615, 0.2748, 0.3246



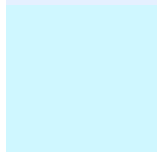
Protanomaly

86.5329, 0.2954, 0.3218



Deuteranomaly

86.1982, 0.2968, 0.3138



Tritanomaly

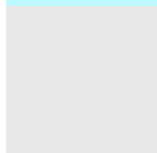
87.0069, 0.2839, 0.3206

Monochromacy



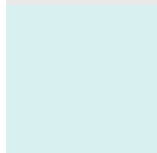
Original Color

87.1615, 0.2748, 0.3246



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.4228, 0.2974, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1615, 0.2748, 0.3246 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(190, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.1615, 0.2748, 0.3246 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(190, 251, 255) }
```

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

```
.border{ border-color:rgb(190, 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(190, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 251,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1615, 0.2748, 0.3246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 251, 255) }
```

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

```
.background{ background-color: rgb(190,  
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](#).

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