

Converting Colors

$Yxy(81.6043, 0.2742, 0.3382)$

Have a look what the booklet for
Yxy(81.6043, 0.2742, 0.3382)
contains.

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Color

Yxy(81.6932, 0.2745, 0.3390)

Conversions

Conversions Part 1

Format	Color
Hex	AEF7EE
RGB	174, 247, 238
RGB Percent	68%, 97%, 93%
CMY	0.3175, 0.0314, 0.0668
CMYK	0.30, 0.00, 0.04, 0.03
HSL	173°, 82%, 83%
HSV	173°, 30%, 97%
XYZ	66.1498, 81.6932, 93.1399
YIQ	224.1470, -40.6190, -18.2750

Conversions

Conversions Part 2

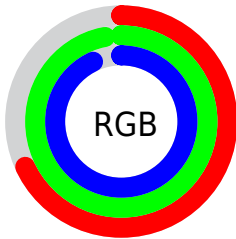
Format	Color
RYB	174, 213, 247
Decimal	11466734
CIELab	92.44, -24.31, -2.89
CIELCh	92, 24.484, 186.780
Yxy	81.6932, 0.2745, 0.3390
Android (android.graphics.Color)	4289656814 (0xFFAEF7EE)
YUV	224.1470, 6.8295, -43.9789
Hunter-Lab	90.3843, -27.5332, 2.1714

Details

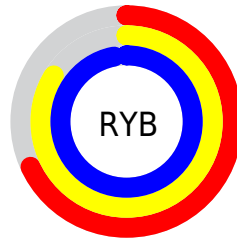
The Yxy color **81.6932, 0.2745, 0.3390** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.4830, 0.3706, 0.3194**, and the grayscale version is **74.6292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7289, 0.2982, 0.3290**, and **44.1262, 0.2660, 0.3406** is the 20% darker color. If you saturate the color by 10%, you get **78.9365, 0.2637, 0.3429**, and if you desaturate by 10%, it is **84.9812, 0.2866, 0.3353**.

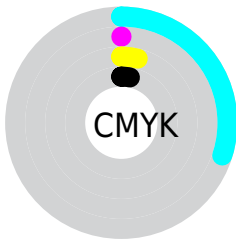
Distribution



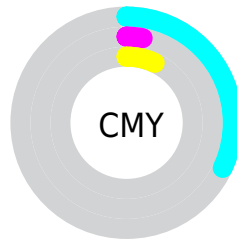
- Red (68%)
- Green (97%)
- Blue (93%)



- Red (68%)
- Yellow (84%)
- Blue (97%)



- Cyan (30%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)




- Cyan (32%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.6932, 0.2745, 0.3390 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 81.6932, 0.2745, 0.3390 by changing the saturation by 10% instead.


 81.6932, 0.2745,
0.3390

 81.6932, 0.2745,
0.3390


500.6209, 0.2917,
0.3346

 61.1127, 0.2707,
0.3399


 135.7437, 0.2804,
0.3375

 44.3161, 0.2660,
0.3411


169.9824, 0.2827,
0.3369

 30.9191, 0.2602,
0.3425


209.5427, 0.2847,
0.3364

 20.5373, 0.2528,
0.3442

254.8089, 0.2864,
0.3360

 12.7862, 0.2429,
0.3465

306.1654, 0.2880,
0.3356

 7.2815, 0.2291,
0.3495


363.9967, 0.2894,


 3.6387, 0.2088,


0.3352


428.6870, 0.2906,
0.3349

0.3536


 1.4736, 0.1747,
0.3599


 0.2700, 0.0000,
0.3525


 81.6932, 0.2745,
0.3390

 81.6932, 0.2745,
0.3390


 78.9365, 0.2637,
0.3429


 84.9812, 0.2866,
0.3353


 76.6726, 0.2544,
0.3470


 88.8170, 0.2996,
0.3320


 74.8734, 0.2469,
0.3513


 93.2286, 0.3134,
0.3289

 73.5038, 0.2413,
0.3556


 94.6977, 0.3159,
0.3259


 72.5240, 0.2377,
0.3600

 94.8915, 0.3141,
0.3230

 71.8864, 0.2359,
0.3644

 95.0028, 0.3131,
0.3214

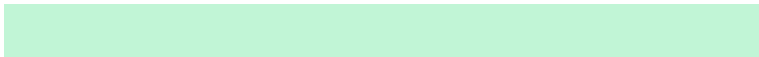
 71.5159, 0.2358,
0.3687

 71.5013, 0.2358,
0.3689

Harmonies

Analogous

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



81.6932, 0.2982, 0.3638



81.6932, 0.2745, 0.3390



81.6932, 0.2611, 0.3124

Triad

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



81.6932, 0.2745, 0.3390



81.6932, 0.2970, 0.2848



81.6932, 0.3673, 0.3634

Complementary

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



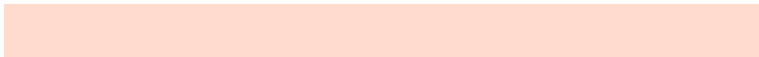
81.6932, 0.2745, 0.3390



53.4830, 0.3706, 0.3194

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.



81.6932, 0.3673, 0.3416



81.6932, 0.2745, 0.3390



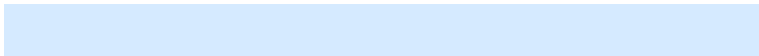
81.6932, 0.3257, 0.2975

Square

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



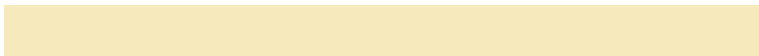
81.6932, 0.2745, 0.3390



81.6932, 0.2735, 0.2825



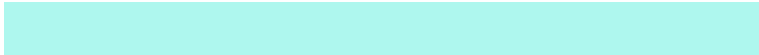
81.6932, 0.3518, 0.3179



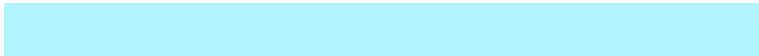
81.6932, 0.3521, 0.3774

Rectangle

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



81.6932, 0.2745, 0.3390



81.6932, 0.2593, 0.2978



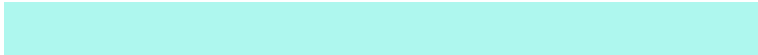
81.6932, 0.3518, 0.3179



81.6932, 0.3691, 0.3567

Sweetspot

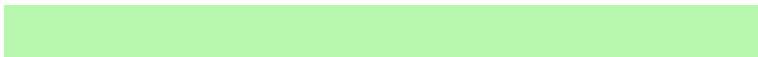
The Sweet Spot groups the original color and five complimentary colors.



81.6965, 0.2745, 0.3390



95.7224, 0.3003, 0.3318



79.7417, 0.3147, 0.4140



20.3508, 0.2984, 0.3323



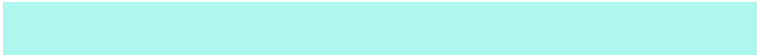
0.0000, 0.0000, 0.0000



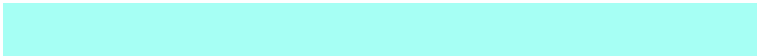
21.4041, 0.3127, 0.3290

Same Dimension

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



81.6965, 0.2745, 0.3390



86.1281, 0.2684, 0.3411



67.0352, 0.2666, 0.2983



18.7204, 0.2997, 0.3319



37.8285, 0.2356, 0.3681



3.3345, 0.2341, 0.3627

Inverse Universe

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



53.4830, 0.3706, 0.3194



51.6083, 0.3861, 0.3176



64.5078, 0.3706, 0.3577



16.5159, 0.3274, 0.3261



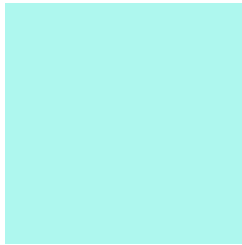
10.5200, 0.6246, 0.3214



0.9351, 0.5974, 0.3065

Previews

White Background



This preview shows how the Yxy color 81.6932, 0.2745, 0.3390 looks on a white background.

Color Contrast Check

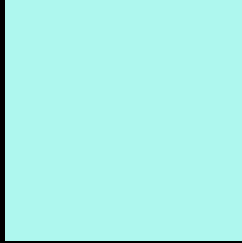
Large Text (above 18pt) WCAG AA × Fail

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 81.6932, 0.2745, 0.3390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

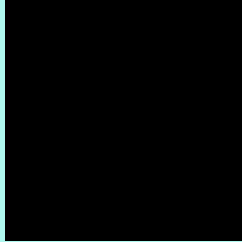
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.6932, 0.2745, 0.3390

Background



This preview shows how black text looks on a background with the Yxy color 81.6932, 0.2745, 0.3390.

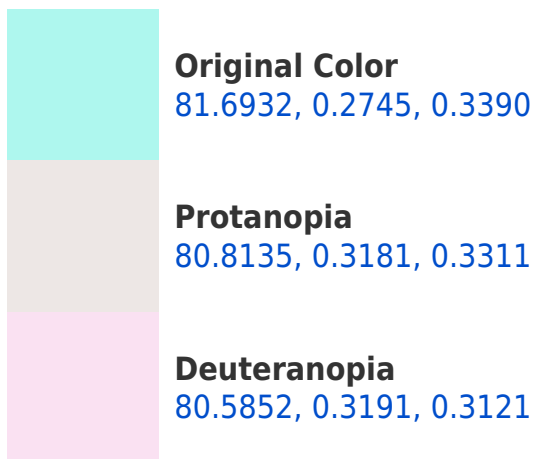


This preview shows how white text looks on a background with the Yxy color 81.6932, 0.2745, 0.3390.

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

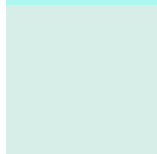
81.2759, 0.2771, 0.3129

Trichromacy



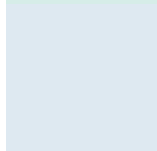
Original Color

81.6932, 0.2745, 0.3390



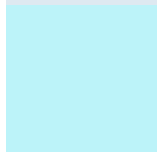
Protanomaly

80.6907, 0.3007, 0.3343



Deuteranomaly

80.1583, 0.3005, 0.3206



Tritanomaly

81.6321, 0.2760, 0.3224

Monochromacy



Original Color

81.6932, 0.2745, 0.3390



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.4922, 0.2973, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6932, 0.2745, 0.3390 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(174, 247, 238)` looks like.

```
.text, #text, p{  
    color:rgb(174, 247, 238)  
}
```

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(174, 247, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 247, 238) }
```

Border

The CSS property to change the border of an element to Yxy 81.6932, 0.2745, 0.3390 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(174, 247, 238) }
```

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

```
.border{ border-color:rgb(174, 247, 238) }
```

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

Here you see how a box with a 4 pixel rgb(174, 247, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 247, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 247, 238);  
box-shadow:4px 4px 4px 4px rgb(174, 247,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6932, 0.2745, 0.3390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 247, 238) }
```

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

```
.background{ background-color: rgb(174,  
247, 238) }
```

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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