

Converting Colors

$Yxy(87.5390, 0.2966, 0.3360)$

Have a look what the booklet for
Yxy(87.5390, 0.2966, 0.3360)
contains.

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Color

Yxy(87.3195, 0.2962, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	D7F7F1
RGB	215, 247, 241
RGB Percent	84%, 97%, 95%
CMY	0.1569, 0.0313, 0.0548
CMYK	0.13, 0.00, 0.02, 0.03
HSL	169°, 67%, 91%
HSV	169°, 13%, 97%
XYZ	77.1600, 87.3195, 96.0202
YIQ	236.7480, -17.1460, -8.6500

Conversions

Conversions Part 2

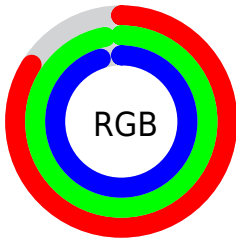
Format	Color
R _{YB}	215, 233, 247
Decimal	14153713
CIE Lab	94.87, -11.47, -0.63
CIE LCh	95, 11.489, 183.147
Yxy	87.3195, 0.2962, 0.3352
Android (android.graphics.Color)	4292343793 (0xFFD7F7F1)
YUV	236.7480, 2.0962, -19.0730
Hunter-Lab	93.4449, -16.1363, 4.4874

Details

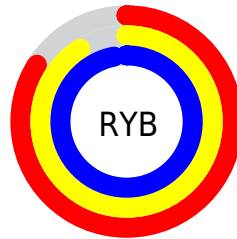
The Yxy color **87.3195, 0.2962, 0.3352** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.5864, 0.3322, 0.3229**, and the grayscale version is **84.4784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2380, 0.2926, 0.3370** is the 20% darker color. If you saturate the color by 10%, you get **83.5896, 0.2842, 0.3405**, and if you desaturate by 10%, it is **91.6282, 0.3089, 0.3303**.

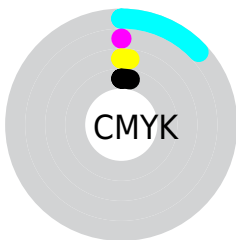
Distribution



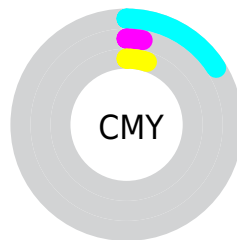
- Red (84%)
- Green (97%)
- Blue (95%)



- Red (84%)
- Yellow (91%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (3%)





- Cyan (16%)
- Magenta (3%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3195, 0.2962, 0.3352 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 87.3195, 0.2962, 0.3352 by changing the saturation by 10% instead.

 87.3195, 0.2962,
0.3352

 87.3195, 0.2962,
0.3352


519.2722, 0.3036,
0.3324

 65.7596, 0.2946,
0.3358

143.6094, 0.2987,
0.3343

 48.0773, 0.2926,
0.3365


179.1082, 0.2997,
0.3339

 33.8881, 0.2901,
0.3375


220.0221, 0.3006,
0.3336

 22.8077, 0.2869,
0.3386

266.7355, 0.3013,
0.3333

 14.4515, 0.2827,
0.3402

319.6329, 0.3020,
0.3330

 8.4354, 0.2769,
0.3423


379.0985, 0.3026,


 4.3748, 0.2683,


0.3328


0.3454


445.5168, 0.3031,
0.3326


 1.8853, 0.2542,
0.3505


 0.5395, 0.1658,
0.3843


 87.3195, 0.2962,
0.3352


 87.3195, 0.2962,
0.3352


 83.5896, 0.2842,
0.3405


 91.6282, 0.3089,
0.3303


 80.4022, 0.2732,
0.3463

 94.7051, 0.3159,
0.3259

 77.7339, 0.2635,
0.3524

 94.9989, 0.3131,
0.3215

 75.5550, 0.2553,
0.3589

 95.0068, 0.3131,
0.3214

■ 73.8331, 0.2489,
0.3655

■ 72.5316, 0.2444,
0.3724

■ 71.6083, 0.2420,
0.3792

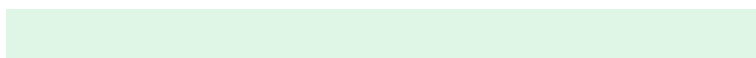
■ 71.0121, 0.2414,
0.3860

■ 70.7350, 0.2419,
0.3908

Harmonies

Analogous

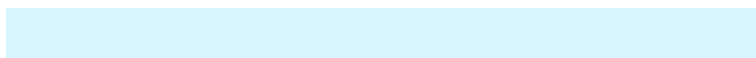
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3195, 0.3078, 0.3456



87.3195, 0.2962, 0.3352



87.3195, 0.2890, 0.3232

Triad

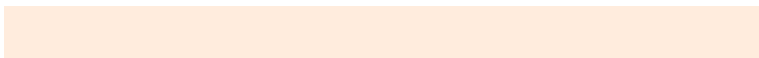
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.3195, 0.2962, 0.3352



87.3195, 0.3041, 0.3077



87.3195, 0.3380, 0.3443

Complementary

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



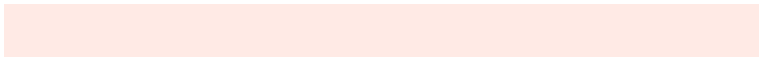
87.3195, 0.2962, 0.3352



73.5864, 0.3322, 0.3229

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.



87.3195, 0.3370, 0.3340



87.3195, 0.2962, 0.3352



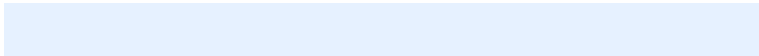
87.3195, 0.3173, 0.3132

Square

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



87.3195, 0.2962, 0.3352



87.3195, 0.2935, 0.3076



87.3195, 0.3294, 0.3227



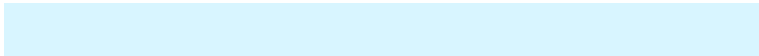
87.3195, 0.3321, 0.3507

Rectangle

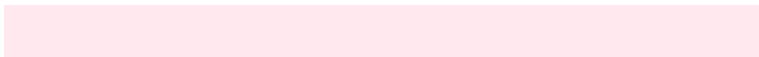
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



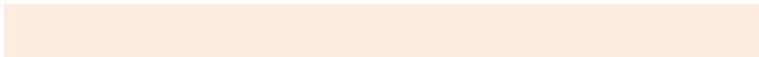
87.3195, 0.2962, 0.3352



87.3195, 0.2876, 0.3161



87.3195, 0.3294, 0.3227



87.3195, 0.3385, 0.3411

Sweetspot

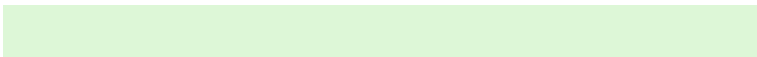
The Sweet Spot groups the original color and five complimentary colors.



87.3232, 0.2962, 0.3352



97.9943, 0.3075, 0.3308



86.8652, 0.3152, 0.3629



20.8965, 0.3066, 0.3312



0.0000, 0.0000, 0.0000



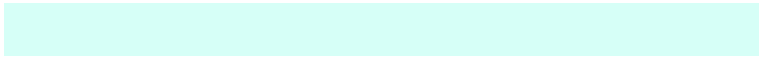
21.4041, 0.3127, 0.3290

Same Dimension

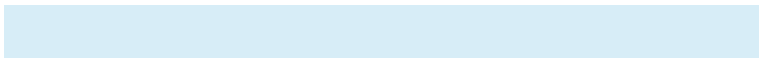
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3232, 0.2962, 0.3352



92.5845, 0.2924, 0.3368



81.9609, 0.2926, 0.3189



18.7015, 0.3006, 0.3335



37.4264, 0.2416, 0.3896



3.3028, 0.2392, 0.3811

Inverse Universe

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



73.5864, 0.3322, 0.3229



74.7193, 0.3376, 0.3214



78.3101, 0.3351, 0.3389



16.5331, 0.3264, 0.3246



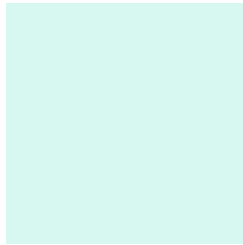
10.5781, 0.6109, 0.3139



0.9432, 0.5783, 0.2960

Previews

White Background



This preview shows how the Yxy color 87.3195, 0.2962, 0.3352 looks on a white background.

Color Contrast Check

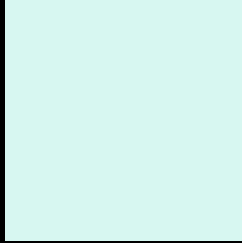
Large Text (above 18pt) WCAG AA × Fail

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 87.3195, 0.2962, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

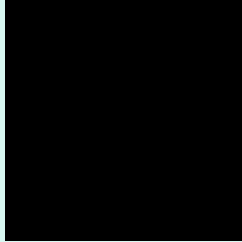
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

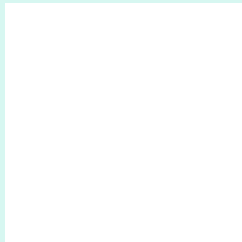
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3195, 0.2962, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 87.3195, 0.2962, 0.3352.

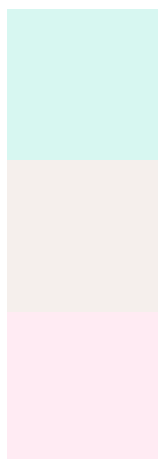


This preview shows how white text looks on a background with the Yxy color 87.3195, 0.2962, 0.3352.

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

87.3195, 0.2962, 0.3352

Protanopia

87.2016, 0.3185, 0.3320

Deuteranopia

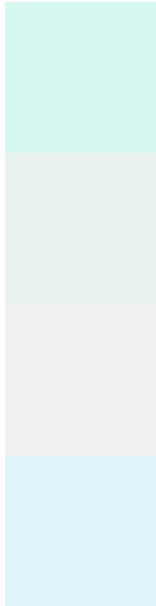
87.1477, 0.3211, 0.3212



Tritanopia

87.0552, 0.2956, 0.3158

Trichromacy



Original Color

87.3195, 0.2962, 0.3352

Protanomaly

87.1697, 0.3099, 0.3331

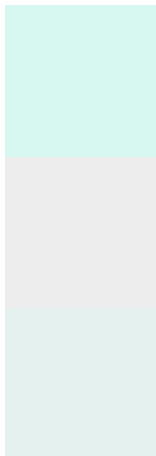
Deuteranomaly

86.6691, 0.3115, 0.3260

Tritanomaly

87.2915, 0.2960, 0.3228

Monochromacy



Original Color

87.3195, 0.2962, 0.3352

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.7417, 0.3067, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3195, 0.2962, 0.3352 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(215, 247, 241)` looks like.

```
.text, #text, p{  
    color:rgb(215, 247, 241)  
}
```

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(215, 247, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 247, 241) }
```

Border

The CSS property to change the border of an element to Yxy 87.3195, 0.2962, 0.3352 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(215, 247, 241) }
```

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

```
.border{ border-color:rgb(215, 247, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 247, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 247, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 247, 241);  
box-shadow:4px 4px 4px 4px rgb(215, 247,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3195, 0.2962, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 247, 241) }
```

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

```
.background{ background-color: rgb(215,  
247, 241) }
```

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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