

Converting Colors

$Yxy(81.8675, 0.3091, 0.3505)$

Have a look what the booklet for
Yxy(81.8675, 0.3091, 0.3505)
contains.

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Color

Yxy(82.0864, 0.3091, 0.3505)

Conversions

Conversions Part 1

Format	Color
Hex	D8F0DC
RGB	216, 240, 220
RGB Percent	85%, 94%, 86%
CMY	0.1530, 0.0588, 0.1373
CMYK	0.10, 0.00, 0.08, 0.06
HSL	130°, 44%, 89%
HSV	130°, 10%, 94%
XYZ	72.3906, 82.0864, 79.7210
YIQ	230.5440, -7.8840, -11.3080

Conversions

Conversions Part 2

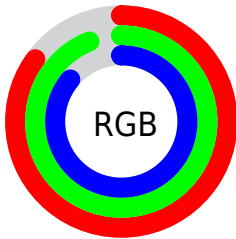
Format	Color
R _Y B	216, 237, 240
Decimal	14217436
CIE _{Lab}	92.61, -11.54, 7.00
CIE _{LCh}	93, 13.501, 148.755
Y _{xy}	82.0864, 0.3091, 0.3505
Android (android.graphics.Color)	4292407516 (0xFFD8F0DC)
Y _{UV}	230.5440, -5.1982, -12.7551
Hunter-Lab	90.6015, -15.9313, 11.2514

Details

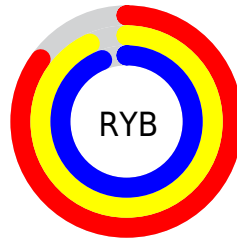
The Yxy color **82.0864, 0.3091, 0.3505** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.6881, 0.3166, 0.3084**, and the grayscale version is **79.5973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5747, 0.3081, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **77.7000, 0.3054, 0.3748**, and if you desaturate by 10%, it is **87.1407, 0.3127, 0.3290**.

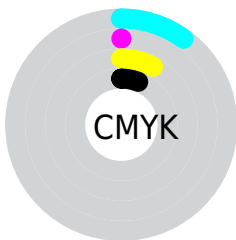
Distribution



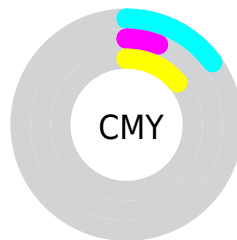
- Red (85%)
- Green (94%)
- Blue (86%)



- Red (85%)
- Yellow (93%)
- Blue (94%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (6%)



- Cyan (15%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0864, 0.3091, 0.3505 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 82.0864, 0.3091, 0.3505 by changing the saturation by 10% instead.

82.0864, 0.3091,
0.3505

82.0864, 0.3091,
0.3505

501.9367, 0.3108,
0.3406

61.4368, 0.3087,
0.3527

136.2952, 0.3097,
0.3471

44.5777, 0.3082,
0.3555

170.6231, 0.3099,
0.3457

31.1250, 0.3076,
0.3590

210.2792, 0.3101,
0.3446

20.6940, 0.3067,
0.3636

255.6479, 0.3103,
0.3436

12.9005, 0.3055,
0.3698

307.1136, 0.3105,
0.3427

7.3601, 0.3037,
0.3788

365.0607, 0.3106,

3.6883, 0.3009,

0.3419

429.8736, 0.3107,
0.3412

0.3927

1.5008, 0.2955,
0.4174

0.2893, 0.0000,
1.0000

82.0864, 0.3091,
0.3505

82.0864, 0.3091,
0.3505

77.7000, 0.3054,
0.3748

87.1407, 0.3127,
0.3290

73.9434, 0.3019,
0.4019

90.8074, 0.3134,
0.3146

70.7907, 0.2986,
0.4314

68.2101, 0.2958,
0.4625

■ 66.1668, 0.2939,
0.4939

■ 64.6223, 0.2929,
0.5239

■ 63.5326, 0.2931,
0.5505

■ 62.8461, 0.2944,
0.5720

■ 62.4798, 0.2964,
0.5871

Harmonies

Analogous

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



82.0864, 0.3248, 0.3563



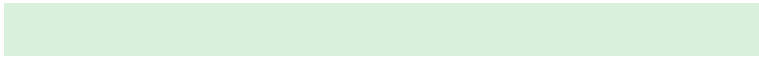
82.0864, 0.3091, 0.3505



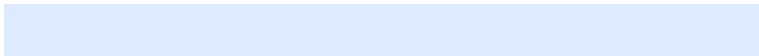
82.0864, 0.2947, 0.3385

Triad

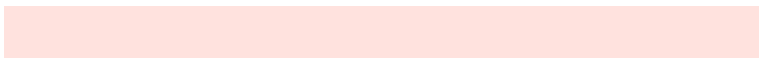
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.0864, 0.3091, 0.3505



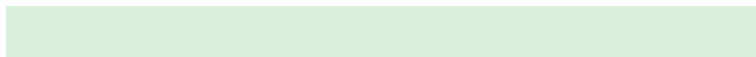
82.0864, 0.2883, 0.3039



82.0864, 0.3410, 0.3329

Complementary

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



82.0864, 0.3091, 0.3505



73.6881, 0.3166, 0.3084

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.



82.0864, 0.3308, 0.3196



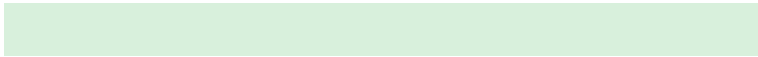
82.0864, 0.3091, 0.3505



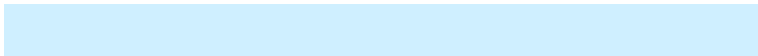
82.0864, 0.3002, 0.3031

Square

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



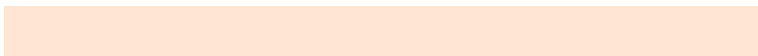
82.0864, 0.3091, 0.3505



82.0864, 0.2829, 0.3114



82.0864, 0.3158, 0.3088



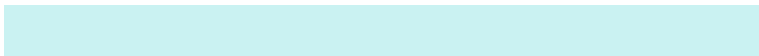
82.0864, 0.3435, 0.3456

Rectangle

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



82.0864, 0.3091, 0.3505



82.0864, 0.2876, 0.3288



82.0864, 0.3158, 0.3088



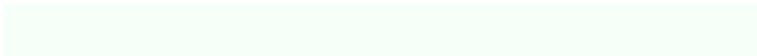
82.0864, 0.3384, 0.3284

Sweetspot

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



82.0899, 0.3091, 0.3505



98.1738, 0.3116, 0.3352



85.1872, 0.3252, 0.3539



20.9113, 0.3113, 0.3369



0.0000, 0.0000, 0.0000



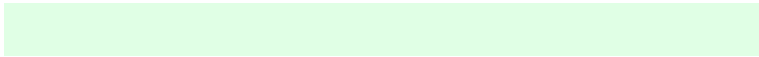
21.4041, 0.3127, 0.3290

Same Dimension

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



82.0899, 0.3091, 0.3505



93.1155, 0.3084, 0.3552



82.7275, 0.3022, 0.3379



17.6992, 0.3093, 0.3493



34.2114, 0.2959, 0.5852



2.8585, 0.2899, 0.5637

Inverse Universe

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



73.6881, 0.3166, 0.3084



81.6834, 0.3174, 0.3041



73.0340, 0.3245, 0.3203



15.9837, 0.3163, 0.3095



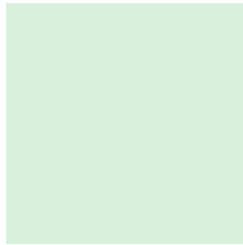
12.4441, 0.3679, 0.1801



1.0471, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 82.0864, 0.3091, 0.3505 looks on a white background.

Color Contrast Check

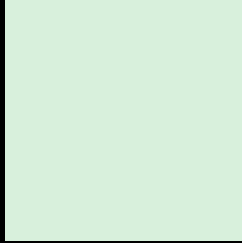
Large Text (above 18pt) WCAG AA × Fail

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 82.0864, 0.3091, 0.3505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

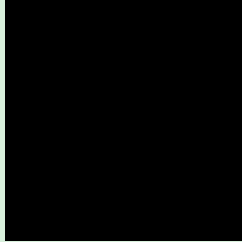
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

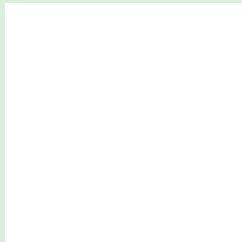
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.0864, 0.3091, 0.3505

Background



This preview shows how black text looks on a background with the Yxy color 82.0864, 0.3091, 0.3505.

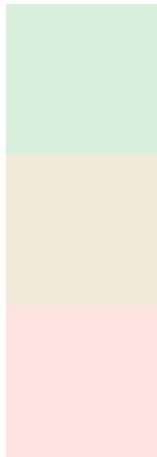


This preview shows how white text looks on a background with the Yxy color 82.0864, 0.3091, 0.3505.

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

82.0864, 0.3091, 0.3505

Protanopia

82.1129, 0.3298, 0.3465

Deuteranopia

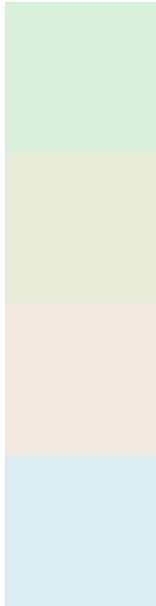
81.6344, 0.3338, 0.3311



Tritanopia

82.1020, 0.2929, 0.3094

Trichromacy



Original Color

82.0864, 0.3091, 0.3505

Protanomaly

82.3243, 0.3226, 0.3489

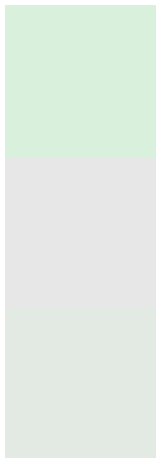
Deuteranomaly

81.7417, 0.3247, 0.3383

Tritanomaly

82.1948, 0.2987, 0.3237

Monochromacy



Original Color

82.0864, 0.3091, 0.3505

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.5604, 0.3117, 0.3364

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.0864, 0.3091, 0.3505 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(216, 240, 220)` looks like.

```
.text, #text, p{  
    color:rgb(216, 240, 220)  
}
```

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(216, 240, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 240, 220) }
```

Border

The CSS property to change the border of an element to Yxy 82.0864, 0.3091, 0.3505 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(216, 240, 220) }
```

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

```
.border{ border-color:rgb(216, 240, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 240, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 240, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 240, 220);  
box-shadow:4px 4px 4px 4px rgb(216, 240,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 82.0864, 0.3091, 0.3505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 240, 220) }
```

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

```
.background{ background-color: rgb(216,  
240, 220) }
```

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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