

Converting Colors

$Yxy(84.7680, 0.3203, 0.3518)$

Have a look what the booklet for
Yxy(84.7680, 0.3203, 0.3518)
contains.

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Color

Yxy(84.5905, 0.3203, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	E8F0DB
RGB	232, 240, 219
RGB Percent	91%, 94%, 86%
CMY	0.0903, 0.0588, 0.1412
CMYK	0.03, 0.00, 0.09, 0.06
HSL	83°, 41%, 90%
HSV	83°, 9%, 94%
XYZ	77.2138, 84.5905, 79.2629
YIQ	235.2140, 1.9730, -8.2270

Conversions

Conversions Part 2

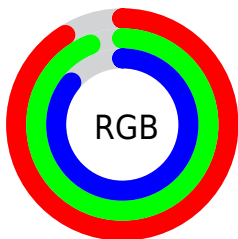
Format	Color
RYB	219, 240, 227
Decimal	15266011
CIELab	93.71, -6.33, 9.23
CIELCh	94, 11.197, 124.440
Yxy	84.5905, 0.3203, 0.3509
Android (android.graphics.Color)	4293456091 (0xFFE8F0DB)
YUV	235.2140, -7.9935, -2.8187
Hunter-Lab	91.9731, -11.0974, 13.2847

Details

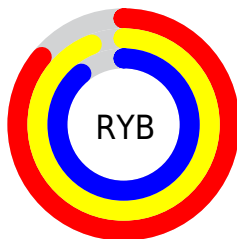
The Yxy color **84.5905, 0.3203, 0.3509** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **73.2837, 0.3046, 0.3069**, and the grayscale version is **83.3077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.1914, 0.3217, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **81.9220, 0.3290, 0.3776**, and if you desaturate by 10%, it is **87.5291, 0.3117, 0.3260**.

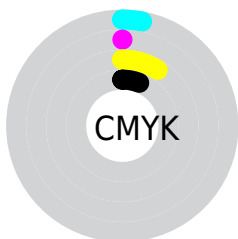
Distribution



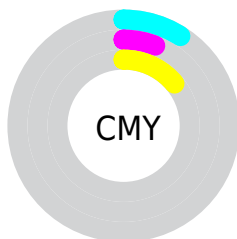
- Red (91%)
- Green (94%)
- Blue (86%)



- Red (86%)
- Yellow (94%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (9%)
- Black (6%)



- Cyan (9%)
- Magenta (6%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.5905, 0.3203, 0.3509 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 84.5905, 0.3203, 0.3509 by changing the saturation by 10% instead.

84.5905, 0.3203,
0.3509

84.5905, 0.3203,
0.3509

510.2721, 0.3169,
0.3409

63.5031, 0.3210,
0.3531

139.8009, 0.3192,
0.3475

46.2483, 0.3219,
0.3559

174.6927, 0.3187,
0.3461

32.4418, 0.3230,
0.3594

214.9547, 0.3183,
0.3450

21.6992, 0.3244,
0.3639

260.9713, 0.3180,
0.3439

13.6360, 0.3263,
0.3699

313.1270, 0.3177,
0.3431

7.8680, 0.3288,
0.3785

371.8061, 0.3174,

4.0106, 0.3324,

0.3423

0.3916

437.3930, 0.3172,
0.3416

■ 1.6795, 0.3379,
0.4139

■ 0.4103, 0.3646,
0.6354

■ 84.5905, 0.3203,
0.3509

■ 84.5905, 0.3203,
0.3509

■ 81.9220, 0.3290,
0.3776

■ 87.5291, 0.3117,
0.3260

■ 79.5036, 0.3374,
0.4056

■ 89.9389, 0.3104,
0.3145

■ 77.3293, 0.3451,
0.4343

■ 90.8110, 0.3134,
0.3146

■ 75.3889, 0.3516,
0.4627

■ 73.6713, 0.3565,
0.4894

■ 72.1640, 0.3593,
0.5132

■ 70.8534, 0.3597,
0.5329

■ 69.7230, 0.3576,
0.5474

■ 68.7498, 0.3534,
0.5570

Harmonies

Analogous

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



84.5905, 0.3314, 0.3506



84.5905, 0.3203, 0.3509



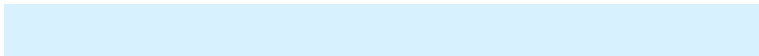
84.5905, 0.3074, 0.3450

Triad

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



84.5905, 0.3203, 0.3509



84.5905, 0.2885, 0.3130



84.5905, 0.3295, 0.3233

Complementary

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



84.5905, 0.3203, 0.3509



73.2837, 0.3046, 0.3069

Split Complementary

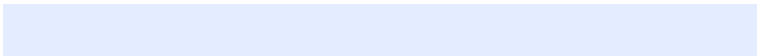
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5905, 0.3177, 0.3138



84.5905, 0.3203, 0.3509



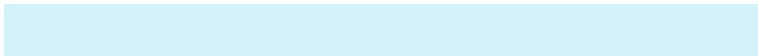
84.5905, 0.2942, 0.3078

Square

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



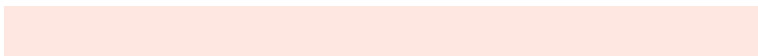
84.5905, 0.3203, 0.3509



84.5905, 0.2892, 0.3228



84.5905, 0.3048, 0.3081



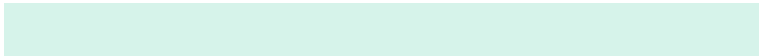
84.5905, 0.3368, 0.3344

Rectangle

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



84.5905, 0.3203, 0.3509



84.5905, 0.2994, 0.3384



84.5905, 0.3048, 0.3081



84.5905, 0.3260, 0.3198

Sweetspot

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



84.5942, 0.3203, 0.3509



98.9656, 0.3153, 0.3364



78.4141, 0.3271, 0.3370



21.1246, 0.3160, 0.3383



0.0000, 0.0000, 0.0000



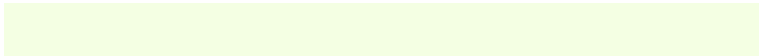
21.4041, 0.3127, 0.3290

Same Dimension

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



84.5942, 0.3203, 0.3509



96.3427, 0.3223, 0.3568



82.9406, 0.3135, 0.3513



18.1392, 0.3209, 0.3527



37.6452, 0.3539, 0.5572



3.1887, 0.3624, 0.5505

Inverse Universe

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



73.2837, 0.3046, 0.3069



80.2546, 0.3024, 0.3008



74.9879, 0.3117, 0.3074



15.5237, 0.3039, 0.3050



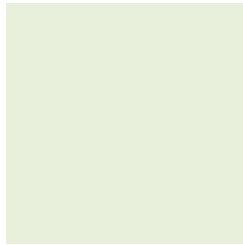
4.7575, 0.1818, 0.0775



0.4513, 0.1964, 0.0856

Previews

White Background



This preview shows how the Yxy color 84.5905, 0.3203, 0.3509 looks on a white background.

Color Contrast Check

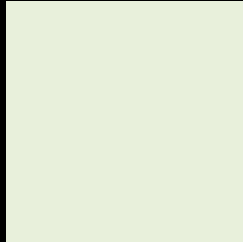
Large Text (above 18pt) WCAG AA × Fail

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 84.5905, 0.3203, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

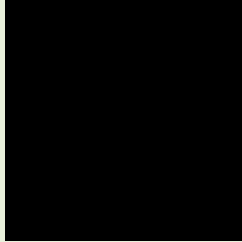
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

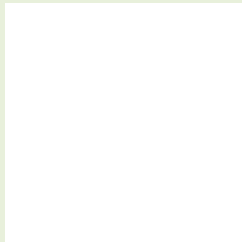
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5905, 0.3203, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 84.5905, 0.3203, 0.3509.

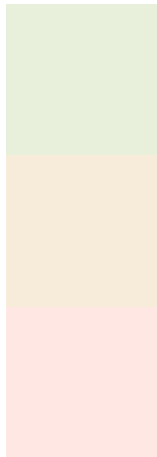


This preview shows how white text looks on a background with the Yxy color 84.5905, 0.3203, 0.3509.

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

84.5905, 0.3203, 0.3509

Protanopia

84.5935, 0.3316, 0.3483

Deuteranopia

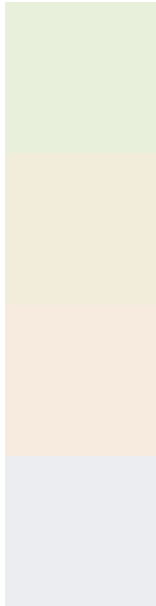
84.5193, 0.3318, 0.3340



Tritanopia

84.5769, 0.3025, 0.3100

Trichromacy



Original Color

84.5905, 0.3203, 0.3509

Protanomaly

84.3311, 0.3274, 0.3485

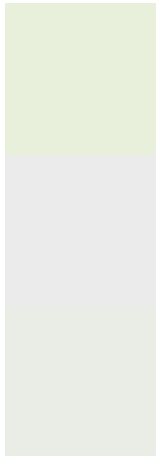
Deuteranomaly

84.5726, 0.3279, 0.3401

Tritanomaly

84.5814, 0.3089, 0.3249

Monochromacy



Original Color

84.5905, 0.3203, 0.3509

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.7179, 0.3157, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5905, 0.3203, 0.3509 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(232, 240, 219)` looks like.

```
.text, #text, p{  
    color:rgb(232, 240, 219)  
}
```

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(232, 240, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 240, 219) }
```

Border

The CSS property to change the border of an element to Yxy 84.5905, 0.3203, 0.3509 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(232, 240, 219) }
```

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

```
.border{ border-color:rgb(232, 240, 219) }
```

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

Here you see how a box with a 4 pixel rgb(232, 240, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 240, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 240, 219);  
box-shadow:4px 4px 4px 4px rgb(232, 240,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5905, 0.3203, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 240, 219) }
```

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

```
.background{ background-color: rgb(232,  
240, 219) }
```

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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