

Converting Colors

$Yxy(83.2219, 0.3263, 0.3661)$

Have a look what the booklet for
Yxy(83.2219, 0.3263, 0.3661)
contains.

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Color

Yxy(83.2219, 0.3263, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	E4F0CD
RGB	228, 240, 205
RGB Percent	89%, 94%, 80%
CMY	0.1059, 0.0588, 0.1960
CMYK	0.05, 0.00, 0.15, 0.06
HSL	81°, 54%, 87%
HSV	81°, 15%, 94%
XYZ	74.1746, 83.2219, 69.9237
YIQ	232.4220, 4.0830, -13.4290

Conversions

Conversions Part 2

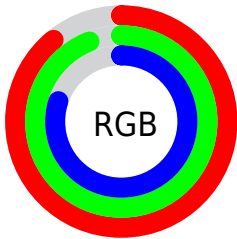
Format	Color
R _Y B	205, 240, 217
Decimal	15003853
CIE Lab	93.11, -9.97, 15.57
CIE LCh	93, 18.491, 122.633
Yxy	83.2219, 0.3263, 0.3661
Android (android.graphics.Color)	4293193933 (0xFFE4F0CD)
YUV	232.4220, -13.5190, -3.8781
Hunter-Lab	91.2260, -14.5098, 18.4131

Details

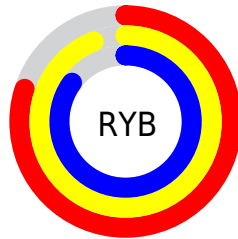
The Yxy color **83.2219, 0.3263, 0.3661** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.7211, 0.2977, 0.2911**, and the grayscale version is **81.1320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.2860, 0.3286, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **80.8379, 0.3355, 0.3934**, and if you desaturate by 10%, it is **85.8552, 0.3170, 0.3402**.

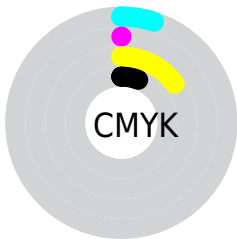
Distribution



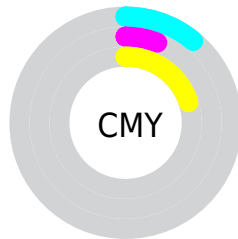
- Red (89%)
- Green (94%)
- Blue (80%)



- Red (80%)
- Yellow (94%)
- Blue (85%)



- Cyan (5%)
- Magenta (0%)
- Yellow (15%)
- Black (6%)





- Cyan (11%)
- Magenta (6%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.2219, 0.3263, 0.3661 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 83.2219, 0.3263, 0.3661 by changing the saturation by 10% instead.


 83.2219, 0.3263,
0.3661

 83.2219, 0.3263,
0.3661

505.7258, 0.3203,
0.3490

 62.3732, 0.3276,
0.3700


137.8862, 0.3243,
0.3602

 45.3343, 0.3292,
0.3747


172.4706, 0.3235,
0.3579

 31.7209, 0.3311,
0.3808


212.4024, 0.3228,
0.3559

 21.1484, 0.3335,
0.3886

258.0660, 0.3222,
0.3542

 13.2325, 0.3366,
0.3992

309.8457, 0.3216,
0.3527

 7.5888, 0.3406,
0.4142

368.1260, 0.3211,

 3.8330, 0.3461,

0.3513

433.2912, 0.3207,
0.3501

0.4373

■ 1.5806, 0.3612,
0.4872

■ 0.3445, 0.1960,
0.8040

■ 83.2219, 0.3263,
0.3661

■ 83.2219, 0.3263,
0.3661

■ 80.8379, 0.3355,
0.3934

■ 85.8552, 0.3170,
0.3402

■ 78.6834, 0.3443,
0.4216

■ 88.7353, 0.3078,
0.3162

■ 76.7524, 0.3521,
0.4496

■ 90.3732, 0.3119,
0.3145

■ 75.0345, 0.3584,
0.4766

■ 90.8038, 0.3134,
0.3146

■ 73.5183, 0.3628,
0.5010

■ 72.1910, 0.3649,
0.5217

■ 71.0379, 0.3644,
0.5377

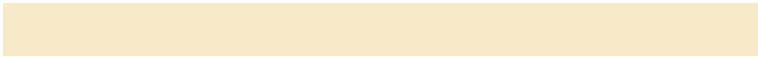
■ 70.0414, 0.3615,
0.5487

■ 69.5522, 0.3592,
0.5530

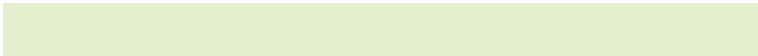
Harmonies

Analogous

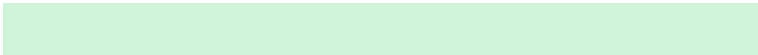
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.2219, 0.3445, 0.3644



83.2219, 0.3263, 0.3661



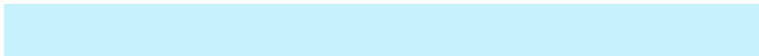
83.2219, 0.3049, 0.3569

Triad

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



83.2219, 0.3263, 0.3661



83.2219, 0.2727, 0.3031



83.2219, 0.3397, 0.3184

Complementary

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



83.2219, 0.3263, 0.3661



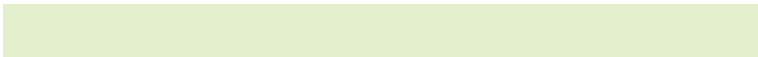
64.7211, 0.2977, 0.2911

Split Complementary

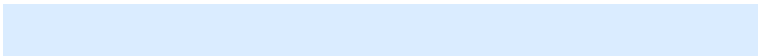
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.2219, 0.3196, 0.3033



83.2219, 0.3263, 0.3661



83.2219, 0.2813, 0.2943

Square

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



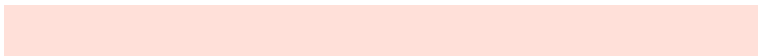
83.2219, 0.3263, 0.3661



83.2219, 0.2744, 0.3194



83.2219, 0.2982, 0.2946



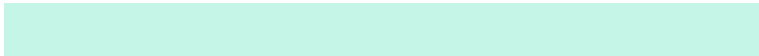
83.2219, 0.3526, 0.3364

Rectangle

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



83.2219, 0.3263, 0.3661



83.2219, 0.2917, 0.3458



83.2219, 0.2982, 0.2946



83.2219, 0.3335, 0.3128

Sweetspot

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



83.2255, 0.3263, 0.3661



98.7022, 0.3164, 0.3388



72.3974, 0.3381, 0.3414



21.0752, 0.3171, 0.3407



0.0000, 0.0000, 0.0000



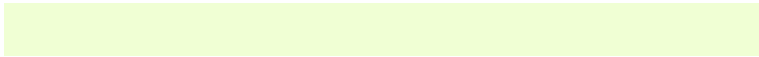
21.4041, 0.3127, 0.3290

Same Dimension

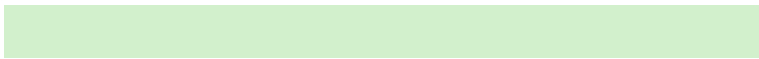
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.2255, 0.3263, 0.3661



94.8013, 0.3286, 0.3728



80.5596, 0.3147, 0.3674



18.1716, 0.3215, 0.3527



38.1482, 0.3602, 0.5522



3.2284, 0.3680, 0.5460

Inverse Universe

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



64.7211, 0.2977, 0.2911



70.3875, 0.2948, 0.2841



67.4864, 0.3101, 0.2925



15.4925, 0.3033, 0.3050



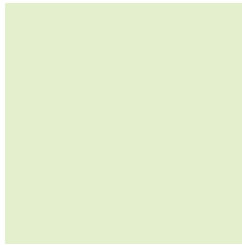
4.5020, 0.1759, 0.0743



0.4276, 0.1903, 0.0822

Previews

White Background



This preview shows how the Yxy color 83.2219, 0.3263, 0.3661 looks on a white background.

Color Contrast Check

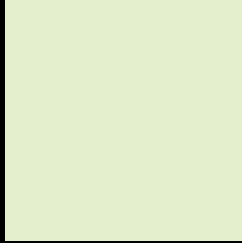
Large Text (above 18pt) WCAG AA × Fail

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 83.2219, 0.3263, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

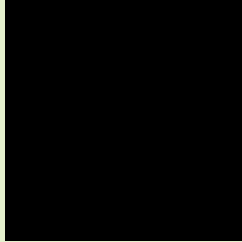
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

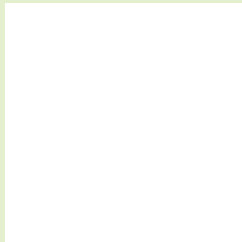
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.2219, 0.3263, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 83.2219, 0.3263, 0.3661.

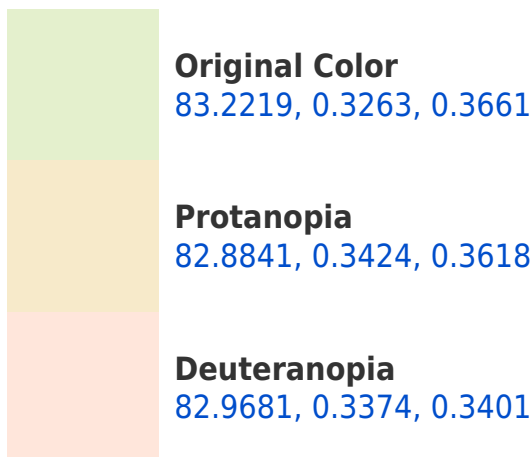


This preview shows how white text looks on a background with the Yxy color 83.2219, 0.3263, 0.3661.

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

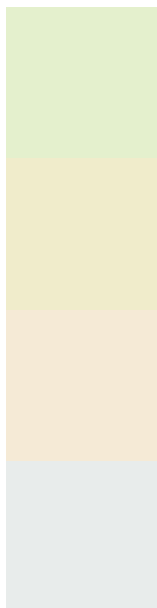




Tritanopia

82.9683, 0.3024, 0.3098

Trichromacy



Original Color

83.2219, 0.3263, 0.3661

Protanomaly

82.8280, 0.3365, 0.3633

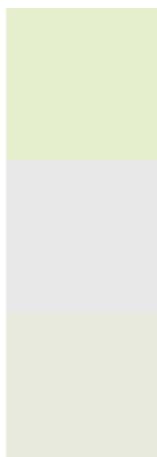
Deuteranomaly

83.1132, 0.3331, 0.3495

Tritanomaly

83.1449, 0.3107, 0.3300

Monochromacy



Original Color

83.2219, 0.3263, 0.3661

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.6795, 0.3182, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.2219, 0.3263, 0.3661 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(228, 240, 205)` looks like.

```
.text, #text, p{  
    color:rgb(228, 240, 205)  
}
```

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(228, 240, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 240, 205) }
```

Border

The CSS property to change the border of an element to Yxy 83.2219, 0.3263, 0.3661 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(228, 240, 205) }
```

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

```
.border{ border-color:rgb(228, 240, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 240, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 240, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 240, 205);  
box-shadow:4px 4px 4px 4px rgb(228, 240,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 83.2219, 0.3263, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 240, 205) }
```

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

```
.background{ background-color: rgb(228,  
240, 205) }
```

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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