

Converting Colors

$Yxy(81.8297, 0.3251, 0.3541)$

Have a look what the booklet for
Yxy(81.8297, 0.3251, 0.3541)
contains.

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Color

Yxy(81.9002, 0.3251, 0.3543)

Conversions

Conversions Part 1

Format	Color
Hex	E8ECD4
RGB	232, 236, 212
RGB Percent	91%, 93%, 83%
CMY	0.0903, 0.0745, 0.1688
CMYK	0.02, 0.00, 0.10, 0.07
HSL	70°, 39%, 88%
HSV	70°, 10%, 93%
XYZ	75.1503, 81.9002, 74.1101
YIQ	232.0680, 5.3200, -8.3120

Conversions

Conversions Part 2

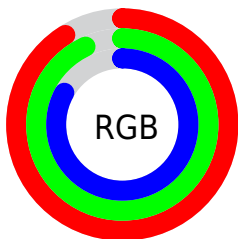
Format	Color
R _Y B	212, 236, 216
Decimal	15264980
CIE Lab	92.53, -5.46, 11.19
CIE LCh	93, 12.454, 115.997
Yxy	81.9002, 0.3251, 0.3543
Android (android.graphics.Color)	4293455060 (0xFFE8ECD4)
YUV	232.0680, -9.8935, -0.0596
Hunter-Lab	90.4987, -10.1460, 14.7961

Details

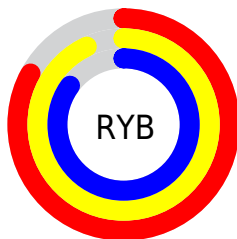
The Yxy color **81.9002, 0.3251, 0.3543** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **67.7239, 0.2996, 0.3028**, and the grayscale version is **80.8210, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3069, 0.3279, 0.3604** is the 20% darker color. If you saturate the color by 10%, you get **80.1445, 0.3374, 0.3802**, and if you desaturate by 10%, it is **83.8520, 0.3129, 0.3295**.

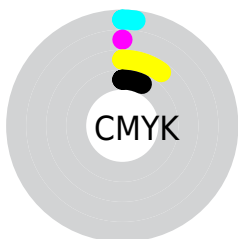
Distribution



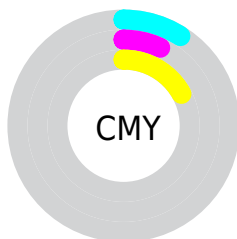
- Red (91%)
- Green (93%)
- Blue (83%)



- Red (83%)
- Yellow (93%)
- Blue (85%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9002, 0.3251, 0.3543 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 81.9002, 0.3251, 0.3543 by changing the saturation by 10% instead.

81.9002, 0.3251,
0.3543

81.9002, 0.3251,
0.3543

501.3138, 0.3195,
0.3427

61.2833, 0.3263,
0.3569

136.0340, 0.3232,
0.3503

44.4538, 0.3278,
0.3601

170.3197, 0.3225,
0.3487

31.0274, 0.3297,
0.3642

209.9305, 0.3218,
0.3474

20.6197, 0.3321,
0.3695

255.2507, 0.3212,
0.3462

12.8463, 0.3352,
0.3766

306.6647, 0.3207,
0.3452

7.3228, 0.3396,
0.3867

364.5570, 0.3203,

3.6648, 0.3459,

0.3443

0.4023

429.3119, 0.3199,
0.3435

■ 1.4879, 0.3577,
0.4313

■ 0.2802, 0.3220,
0.6780

■ 81.9002, 0.3251,
0.3543

■ 81.9002, 0.3251,
0.3543

■ 80.1445, 0.3374,
0.3802

■ 83.8520, 0.3129,
0.3295

■ 78.5666, 0.3496,
0.4067


■ 85.7250, 0.3037,
0.3101

■ 77.1620, 0.3610,
0.4328


■ 86.4240, 0.3063,
0.3103

■ 75.9216, 0.3713,
0.4575


■ 87.1382, 0.3088,
0.3104

 74.8359, 0.3798,
0.4798

 87.8677, 0.3114,
0.3106

 73.8941, 0.3860,
0.4986

 88.4787, 0.3136,
0.3107

 73.0838, 0.3896,
0.5131

 72.3903, 0.3907,
0.5230

 71.7994, 0.3896,
0.5289

Harmonies

Analogous

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



81.9002, 0.3363, 0.3519



81.9002, 0.3251, 0.3543



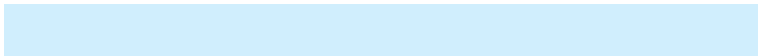
81.9002, 0.3107, 0.3496

Triad

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



81.9002, 0.3251, 0.3543



81.9002, 0.2850, 0.3137



81.9002, 0.3283, 0.3193

Complementary

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



81.9002, 0.3251, 0.3543



67.7239, 0.2996, 0.3028

Split Complementary

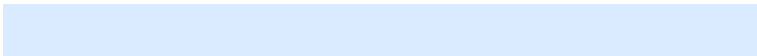
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9002, 0.3142, 0.3096



81.9002, 0.3251, 0.3543



81.9002, 0.2894, 0.3062

Square

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



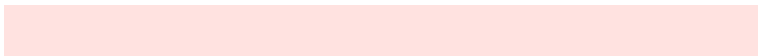
81.9002, 0.3251, 0.3543



81.9002, 0.2878, 0.3256



81.9002, 0.3000, 0.3049



81.9002, 0.3382, 0.3315

Rectangle

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



81.9002, 0.3251, 0.3543



81.9002, 0.3014, 0.3430



81.9002, 0.3000, 0.3049



81.9002, 0.3238, 0.3156

Sweetspot

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



81.9038, 0.3251, 0.3543



99.2748, 0.3163, 0.3363



71.6845, 0.3302, 0.3333



21.2082, 0.3173, 0.3383



0.0000, 0.0000, 0.0000



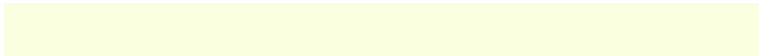
21.4041, 0.3127, 0.3290

Same Dimension

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



81.9038, 0.3251, 0.3543



97.2244, 0.3274, 0.3591



79.9630, 0.3169, 0.3549



17.4919, 0.3242, 0.3525



39.6212, 0.3901, 0.5285



3.1451, 0.3944, 0.5251

Inverse Universe

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



67.7239, 0.2996, 0.3028



77.4911, 0.2970, 0.2977



69.6196, 0.3081, 0.3035



14.6701, 0.3006, 0.3048



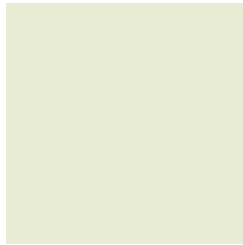
3.6192, 0.1574, 0.0641



0.3200, 0.1689, 0.0704

Previews

White Background



This preview shows how the Yxy color 81.9002, 0.3251, 0.3543 looks on a white background.

Color Contrast Check

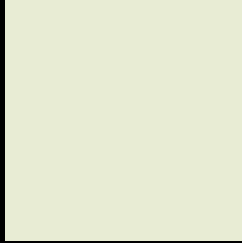
Large Text (above 18pt) WCAG AA × Fail

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 81.9002, 0.3251, 0.3543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

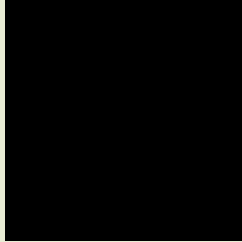
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

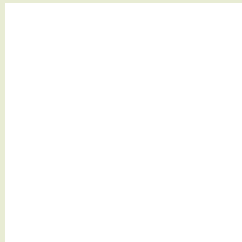
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9002, 0.3251, 0.3543

Background



This preview shows how black text looks on a background with the Yxy color 81.9002, 0.3251, 0.3543.

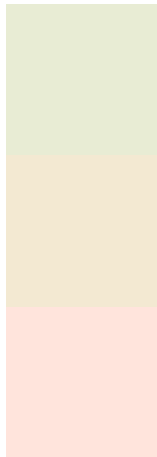


This preview shows how white text looks on a background with the Yxy color 81.9002, 0.3251, 0.3543.

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

81.9002, 0.3251, 0.3543

Protanopia

81.9857, 0.3345, 0.3527

Deuteranopia

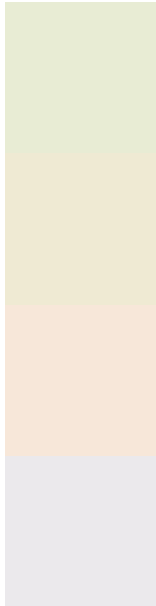
81.9141, 0.3370, 0.3371



Tritanopia

81.9959, 0.3055, 0.3108

Trichromacy



Original Color

81.9002, 0.3251, 0.3543

Protanomaly

81.8995, 0.3308, 0.3529

Deuteranomaly

81.9357, 0.3329, 0.3433

Tritanomaly

81.9961, 0.3122, 0.3259

Monochromacy



Original Color

81.9002, 0.3251, 0.3543

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.8699, 0.3171, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9002, 0.3251, 0.3543 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, 236, 212)` looks like.

```
.text, #text, p{  
    color:rgb(232, 236, 212)  
}
```

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, 236, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 236, 212) }
```

Border

The CSS property to change the border of an element to Yxy 81.9002, 0.3251, 0.3543 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, 236, 212) }
```

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

```
.border{ border-color:rgb(232, 236, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 236, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 236, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 236, 212); box-shadow:4px 4px 4px 4px rgb(232, 236, 212) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9002, 0.3251, 0.3543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 236, 212) }
```

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

```
.background{ background-color: rgb(232,  
236, 212) }
```

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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