

Converting Colors

$Y_{xy}(81.9527, 0.3286, 0.3541)$

Have a look what the booklet for
Yxy(81.9527, 0.3286, 0.3541)
contains.

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Color

Yxy(81.9527, 0.3286, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	ECEBD3
RGB	236, 235, 211
RGB Percent	93%, 92%, 83%
CMY	0.0746, 0.0784, 0.1726
CMYK	0.00, 0.00, 0.11, 0.07
HSL	58°, 40%, 88%
HSV	58°, 11%, 93%
XYZ	76.0510, 81.9527, 73.4357
YIQ	232.5630, 8.3000, -7.2520

Conversions

Conversions Part 2

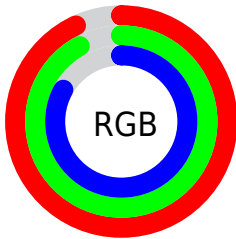
Format	Color
R _Y B	212, 236, 211
Decimal	15526867
CIE Lab	92.55, -3.72, 11.77
CIE LCh	93, 12.343, 107.536
Yxy	81.9527, 0.3286, 0.3541
Android (android.graphics.Color)	4293716947 (0xFFECEBD3)
YUV	232.5630, -10.6306, 3.0142
Hunter-Lab	90.5277, -8.4683, 15.2736

Details

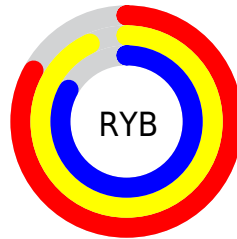
The Yxy color **81.9527, 0.3286, 0.3541** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **66.9684, 0.2961, 0.3026**, and the grayscale version is **81.2160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.3438, 0.3325, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **80.3410, 0.3441, 0.3785**, and if you desaturate by 10%, it is **83.7479, 0.3136, 0.3304**.

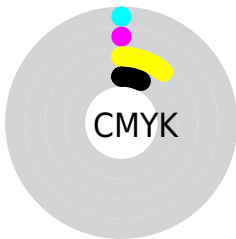
Distribution



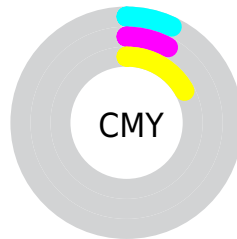
- Red (93%)
- Green (92%)
- Blue (83%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)



- Cyan (7%)
- Magenta (8%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.9527, 0.3286, 0.3541 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 81.9527, 0.3286, 0.3541 by changing the saturation by 10% instead.

81.9527, 0.3286,
0.3541

81.9527, 0.3286,
0.3541

501.4895, 0.3214,
0.3426

61.3265, 0.3302,
0.3567

136.1077, 0.3262,
0.3502

44.4888, 0.3321,
0.3599

170.4053, 0.3252,
0.3486

31.0549, 0.3346,
0.3638

210.0288, 0.3244,
0.3473

20.6407, 0.3377,
0.3690

255.3627, 0.3236,
0.3461

12.8616, 0.3418,
0.3760

306.7913, 0.3230,
0.3451

7.3333, 0.3475,
0.3858

364.6990, 0.3224,

3.6714, 0.3560,

0.3442

0.4008

429.4703, 0.3219,
0.3434

■ 1.4915, 0.3721,
0.4292

■ 0.2827, 0.3863,
0.6137

■ 81.9527, 0.3286,
0.3541

■ 81.9527, 0.3286,
0.3541

■ 80.3410, 0.3441,
0.3785

■ 83.7479, 0.3136,
0.3304

■ 78.8946, 0.3597,
0.4027


■ 85.5157, 0.3012,
0.3108

■ 77.6089, 0.3748,
0.4261

■ 86.0408, 0.3012,
0.3117

■ 76.4752, 0.3889,
0.4475


■ 86.5687, 0.3012,
0.3127


 75.4838, 0.4012,
0.4660


 87.0991, 0.3012,
0.3136


 74.6240, 0.4114,
0.4808


 87.6323, 0.3012,
0.3145

 73.8835, 0.4189,
0.4913

 88.1681, 0.3012,
0.3154

 73.2476, 0.4238,
0.4973

 88.7066, 0.3012,
0.3163

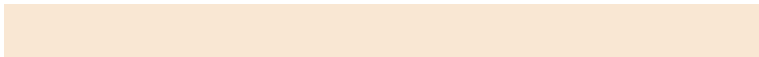
 72.7215, 0.4263,
0.4997

 89.2477, 0.3012,
0.3172

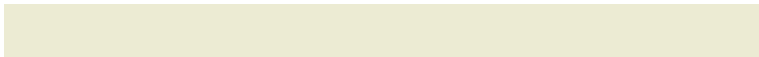
Harmonies

Analogous

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



81.9527, 0.3382, 0.3498



81.9527, 0.3286, 0.3541



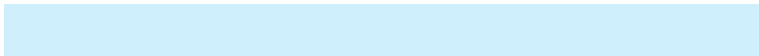
81.9527, 0.3149, 0.3514

Triad

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



81.9527, 0.3286, 0.3541



81.9527, 0.2853, 0.3168



81.9527, 0.3244, 0.3163

Complementary

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



81.9527, 0.3286, 0.3541



66.9684, 0.2961, 0.3026

Split Complementary

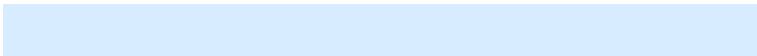
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.9527, 0.3101, 0.3079



81.9527, 0.3286, 0.3541



81.9527, 0.2877, 0.3079

Square

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



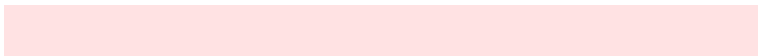
81.9527, 0.3286, 0.3541



81.9527, 0.2901, 0.3294



81.9527, 0.2967, 0.3048



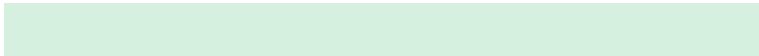
81.9527, 0.3358, 0.3280

Rectangle

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



81.9527, 0.3286, 0.3541



81.9527, 0.3053, 0.3459



81.9527, 0.2967, 0.3048



81.9527, 0.3198, 0.3130

Sweetspot

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



81.9563, 0.3286, 0.3541



99.3299, 0.3172, 0.3360



69.1818, 0.3306, 0.3277



21.2231, 0.3184, 0.3379



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.



81.9563, 0.3286, 0.3541



97.2369, 0.3324, 0.3601



80.6432, 0.3207, 0.3557



17.5220, 0.3269, 0.3514



40.1415, 0.4261, 0.4998



3.1830, 0.4251, 0.5006

Inverse Universe

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



66.9684, 0.2961, 0.3026



75.5665, 0.2919, 0.2959



68.2092, 0.3040, 0.3022



14.6415, 0.2980, 0.3056



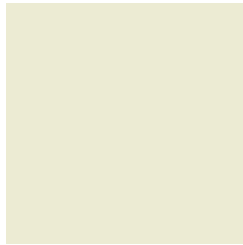
3.4891, 0.1507, 0.0624



0.3067, 0.1525, 0.0690

Previews

White Background



This preview shows how the Yxy color 81.9527, 0.3286, 0.3541 looks on a white background.

Color Contrast Check

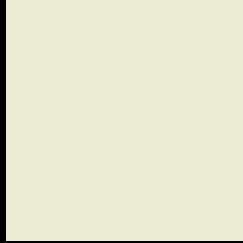
Large Text (above 18pt) WCAG AA × Fail

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 81.9527, 0.3286, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

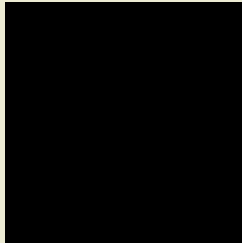
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

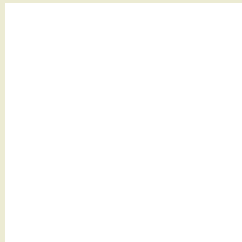
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.9527, 0.3286, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 81.9527, 0.3286, 0.3541.



This preview shows how white text looks on a background with the Yxy color 81.9527, 0.3286, 0.3541.

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

81.9527, 0.3286, 0.3541

Protanopia

81.9857, 0.3345, 0.3527

Deuteranopia

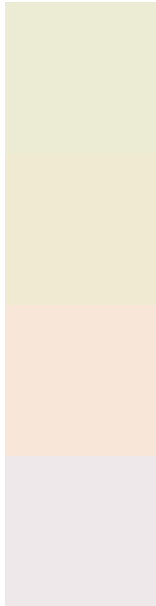
81.8613, 0.3377, 0.3381



Tritanopia

82.0717, 0.3088, 0.3109

Trichromacy



Original Color

81.9527, 0.3286, 0.3541

Protanomaly

82.0240, 0.3322, 0.3539

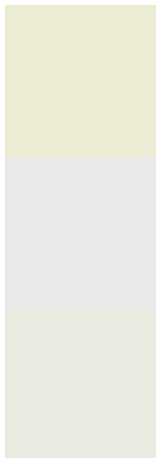
Deuteranomaly

82.0662, 0.3343, 0.3443

Tritanomaly

82.0621, 0.3156, 0.3260

Monochromacy



Original Color

81.9527, 0.3286, 0.3541

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.7743, 0.3184, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.9527, 0.3286, 0.3541 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(236, 235, 211)` looks like.

```
.text, #text, p{  
    color:rgb(236, 235, 211)  
}
```

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(236, 235, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 235, 211) }
```

Border

The CSS property to change the border of an element to Yxy 81.9527, 0.3286, 0.3541 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(236, 235, 211) }
```

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

```
.border{ border-color:rgb(236, 235, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 235, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 235, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 235, 211);  
box-shadow:4px 4px 4px 4px rgb(236, 235,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 81.9527, 0.3286, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 235, 211) }
```

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

```
.background{ background-color: rgb(236,  
235, 211) }
```

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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