

Converting Colors

$Yxy(81.6217, 0.3309, 0.3519)$

Have a look what the booklet for
Yxy(81.6217, 0.3309, 0.3519)
contains.

Yxy(81.3317, 0.3310, 0.3519)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(81.3317, 0.3310, 0.3519)

Conversions

Conversions Part 1

Format	Color
Hex	EFE9D3
RGB	239, 233, 211
RGB Percent	94%, 91%, 83%
CMY	0.0626, 0.0863, 0.1726
CMYK	0.00, 0.03, 0.12, 0.06
HSL	47°, 47%, 88%
HSV	47°, 12%, 94%
XYZ	76.5013, 81.3317, 73.2887
YIQ	232.2860, 10.6380, -5.5700

Conversions

Conversions Part 2

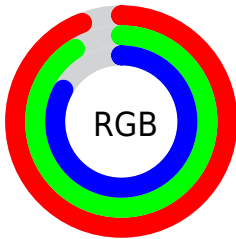
Format	Color
R _Y B	219, 239, 211
Decimal	15722963
CIE Lab	92.28, -1.62, 11.41
CIE LCh	92, 11.527, 98.078
Yxy	81.3317, 0.3310, 0.3519
Android (android.graphics.Color)	4293913043 (0xFFEFE9D3)
YUV	232.2860, -10.4940, 5.8882
Hunter-Lab	90.1841, -6.4044, 14.9465

Details

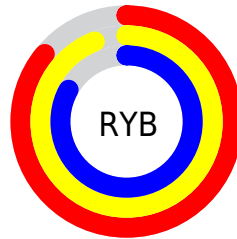
The Yxy color **81.3317, 0.3310, 0.3519** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **69.7246, 0.2943, 0.3050**, and the grayscale version is **81.0007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.9119, 0.3356, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **77.3516, 0.3478, 0.3722**, and if you desaturate by 10%, it is **85.5823, 0.3153, 0.3323**.

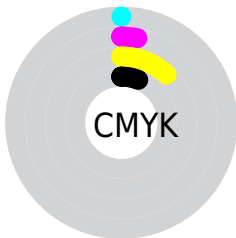
Distribution



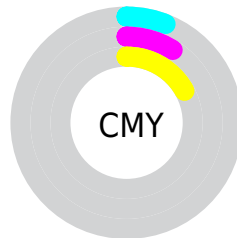
- Red (94%)
- Green (91%)
- Blue (83%)



- Red (86%)
- Yellow (94%)
- Blue (83%)



- Cyan (0%)
- Magenta (3%)
- Yellow (12%)
- Black (6%)



- Cyan (6%)
- Magenta (9%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.3317, 0.3310, 0.3519 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 81.3317, 0.3310, 0.3519 by changing the saturation by 10% instead.

81.3317, 0.3310,
0.3519

81.3317, 0.3310,
0.3519

499.4095, 0.3227,
0.3415

60.8148, 0.3328,
0.3542

135.2364, 0.3282,
0.3483

44.0757, 0.3351,
0.3571

169.3931, 0.3270,
0.3469

30.7301, 0.3379,
0.3607

208.8651, 0.3261,
0.3457

20.3934, 0.3416,
0.3654

254.0368, 0.3252,
0.3446

12.6813, 0.3465,
0.3717

305.2928, 0.3245,
0.3437

7.2095, 0.3533,
0.3805

363.0173, 0.3238,

3.5934, 0.3635,

0.3429

0.3939

427.5947, 0.3233,
0.3421

■ 1.4488, 0.3830,
0.4195

■ 0.2523, 0.4425,
0.5575

■ 81.3317, 0.3310,
0.3519

■ 81.3317, 0.3310,
0.3519

■ 77.3516, 0.3478,
0.3722

■ 85.5823, 0.3153,
0.3323

■ 73.6226, 0.3656,
0.3927

■ 89.8536, 0.3031,
0.3174

■ 70.1393, 0.3838,
0.4125

■ 92.9835, 0.3030,
0.3225

■ 66.8918, 0.4018,
0.4310

■ 96.2005, 0.3030,
0.3276

■ 63.8692, 0.4190,
0.4468

■ 97.0970, 0.3030,
0.3290

■ 61.0595, 0.4345,
0.4591

■ 58.4492, 0.4476,
0.4671

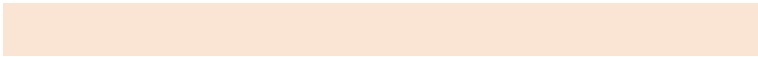
■ 56.0218, 0.4577,
0.4702

■ 54.1320, 0.4641,
0.4697

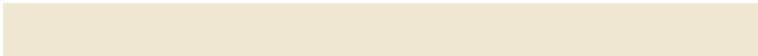
Harmonies

Analogous

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



81.3317, 0.3382, 0.3461



81.3317, 0.3310, 0.3519



81.3317, 0.3190, 0.3514

Triad

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



81.3317, 0.3310, 0.3519



81.3317, 0.2878, 0.3211



81.3317, 0.3196, 0.3142

Complementary

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



81.3317, 0.3310, 0.3519



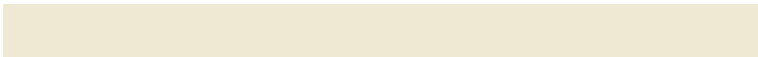
69.7246, 0.2943, 0.3050

Split Complementary

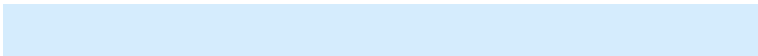
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.3317, 0.3060, 0.3077



81.3317, 0.3310, 0.3519



81.3317, 0.2879, 0.3114

Square

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



81.3317, 0.3310, 0.3519



81.3317, 0.2942, 0.3333



81.3317, 0.2945, 0.3066



81.3317, 0.3315, 0.3244

Rectangle

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



81.3317, 0.3310, 0.3519



81.3317, 0.3100, 0.3475



81.3317, 0.2945, 0.3066



81.3317, 0.3151, 0.3115

Sweetspot

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



81.3353, 0.3310, 0.3519



97.9666, 0.3188, 0.3367



69.9553, 0.3295, 0.3226



20.8883, 0.3199, 0.3382



0.0000, 0.0000, 0.0000



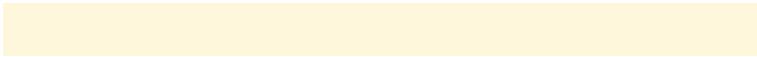
21.4041, 0.3127, 0.3290

Same Dimension

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



81.3353, 0.3310, 0.3519



93.1021, 0.3348, 0.3566



83.4608, 0.3248, 0.3585



17.8475, 0.3274, 0.3474



30.1043, 0.4633, 0.4703



2.6463, 0.4563, 0.4759

Inverse Universe

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



69.7246, 0.2943, 0.3050



77.2589, 0.2904, 0.2999



67.8696, 0.2997, 0.2988



15.7805, 0.2980, 0.3099



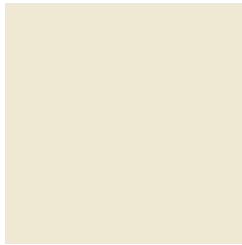
4.9310, 0.1562, 0.0824



0.5515, 0.1627, 0.1057

Previews

White Background



This preview shows how the Yxy color 81.3317, 0.3310, 0.3519 looks on a white background.

Color Contrast Check

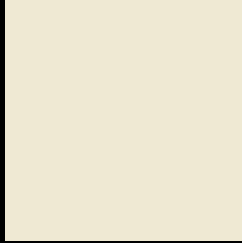
Large Text (above 18pt) WCAG AA × Fail

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 81.3317, 0.3310, 0.3519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

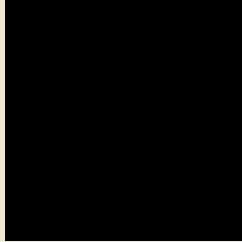
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

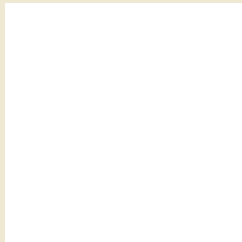
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 81.3317, 0.3310, 0.3519

Background



This preview shows how black text looks on a background with the Yxy color 81.3317, 0.3310, 0.3519.

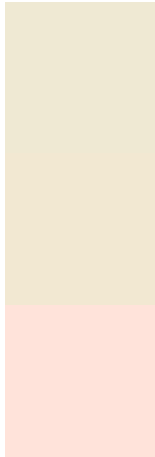


This preview shows how white text looks on a background with the Yxy color 81.3317, 0.3310, 0.3519.

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

81.3317, 0.3310, 0.3519

Protanopia

81.2436, 0.3339, 0.3518

Deuteranopia

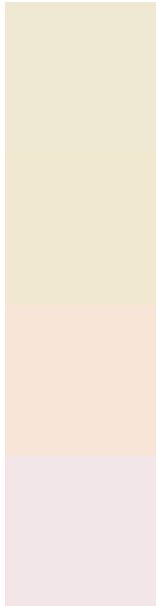
81.2601, 0.3385, 0.3381



Tritanopia

81.3737, 0.3122, 0.3110

Trichromacy



Original Color

81.3317, 0.3310, 0.3519

Protanomaly

81.0671, 0.3332, 0.3518

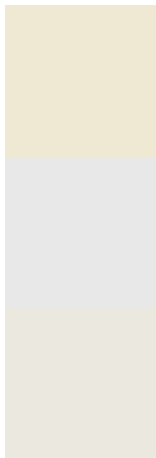
Deuteranomaly

81.0847, 0.3360, 0.3433

Tritanomaly

81.3541, 0.3190, 0.3260

Monochromacy



Original Color

81.3317, 0.3310, 0.3519

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.7572, 0.3198, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.3317, 0.3310, 0.3519 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(239, 233, 211)` looks like.

```
.text, #text, p{  
    color:rgb(239, 233, 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(239, 233, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 233, 211) }
```

Border

The CSS property to change the border of an element to Yxy 81.3317, 0.3310, 0.3519 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(239, 233, 211) }
```

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

```
.border{ border-color:rgb(239, 233, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 233, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 233, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 233, 211);  
box-shadow:4px 4px 4px 4px rgb(239, 233,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 81.3317, 0.3310, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 233, 211) }
```

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

```
.background{ background-color: rgb(239,  
233, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor