

Converting Colors

Yxy(83.9636, 0.3314, 0.3529)

Have a look what the booklet for
Yxy(83.9636, 0.3314, 0.3529)
contains.

Yxy(83.6722, 0.3314, 0.3527)	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(83.6722, 0.3314, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	F2ECD5
RGB	242, 236, 213
RGB Percent	95%, 93%, 84%
CMY	0.0510, 0.0745, 0.1648
CMYK	0.00, 0.02, 0.12, 0.05
HSL	48°, 53%, 89%
HSV	48°, 12%, 95%
XYZ	78.6191, 83.6722, 74.9420
YIQ	235.1720, 10.9590, -5.8810

Conversions

Conversions Part 2

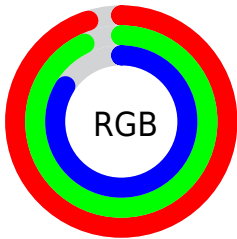
Format	Color
R _Y B	221, 242, 213
Decimal	15920341
CIE Lab	93.31, -1.80, 11.88
CIE LCh	93, 12.014, 98.625
Yxy	83.6722, 0.3314, 0.3527
Android (android.graphics.Color)	4294110421 (0xFFF2ECD5)
YUV	235.1720, -10.9308, 5.9882
Hunter-Lab	91.4725, -6.6591, 15.4554

Details

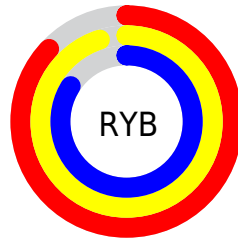
The Yxy color **83.6722, 0.3314, 0.3527** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.1958, 0.2938, 0.3041**, and the grayscale version is **83.2946, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5502, 0.3361, 0.3582** is the 20% darker color. If you saturate the color by 10%, you get **79.7041, 0.3482, 0.3732**, and if you desaturate by 10%, it is **87.9113, 0.3157, 0.3328**.

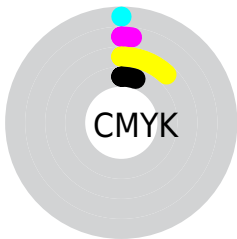
Distribution



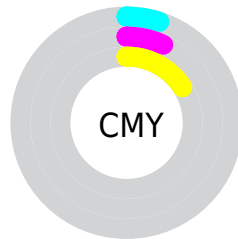
- Red (95%)
- Green (93%)
- Blue (84%)



- Red (87%)
- Yellow (95%)
- Blue (84%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)
- Black (5%)



- Cyan (5%)
- Magenta (7%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6722, 0.3314, 0.3527 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 83.6722, 0.3314, 0.3527 by changing the saturation by 10% instead.

83.6722, 0.3314,
0.3527

83.6722, 0.3314,
0.3527

507.2241, 0.3230,
0.3420

62.7448, 0.3333,
0.3551

138.5165, 0.3285,
0.3490

45.6348, 0.3356,
0.3580

173.2023, 0.3274,
0.3476

31.9577, 0.3384,
0.3617

213.2430, 0.3264,
0.3463

21.3292, 0.3421,
0.3665

259.0230, 0.3256,
0.3452

13.3649, 0.3469,
0.3728

310.9267, 0.3248,
0.3443

7.6803, 0.3537,
0.3817

369.3385, 0.3241,

3.8911, 0.3636,

0.3434

434.6428, 0.3235,
0.3427

0.3951

1.6128, 0.3809,
0.4184

0.3662, 0.4537,
0.5463

83.6722, 0.3314,
0.3527

83.6722, 0.3314,
0.3527

79.7041, 0.3482,
0.3732

87.9113, 0.3157,
0.3328

75.9872, 0.3658,
0.3939

92.0010, 0.3049,
0.3202

72.5158, 0.3839,
0.4140

95.0770, 0.3048,
0.3251

69.2799, 0.4017,
0.4325

97.6159, 0.3047,
0.3290

■ 66.2683, 0.4186,
0.4484

■ 63.4689, 0.4337,
0.4608

■ 60.8674, 0.4464,
0.4687

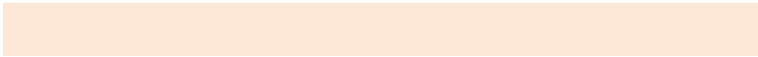
■ 58.4470, 0.4561,
0.4718

■ 56.6184, 0.4620,
0.4714

Harmonies

Analogous

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



83.6722, 0.3389, 0.3468



83.6722, 0.3314, 0.3527



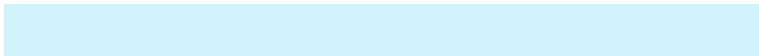
83.6722, 0.3190, 0.3521

Triad

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



83.6722, 0.3314, 0.3527



83.6722, 0.2869, 0.3206



83.6722, 0.3201, 0.3138

Complementary

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



83.6722, 0.3314, 0.3527



71.1958, 0.2938, 0.3041

Split Complementary

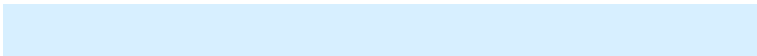
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6722, 0.3060, 0.3071



83.6722, 0.3314, 0.3527



83.6722, 0.2871, 0.3107

Square

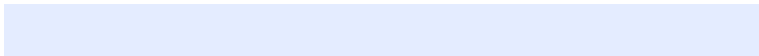
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6722, 0.3314, 0.3527



83.6722, 0.2934, 0.3333



83.6722, 0.2941, 0.3059



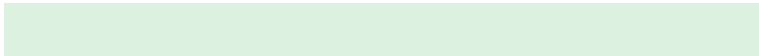
83.6722, 0.3323, 0.3245

Rectangle

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



83.6722, 0.3314, 0.3527



83.6722, 0.3096, 0.3480



83.6722, 0.2941, 0.3059



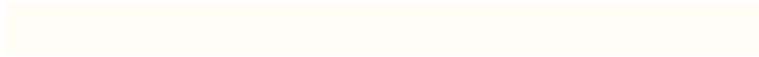
83.6722, 0.3154, 0.3111

Sweetspot

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



83.6759, 0.3314, 0.3527



98.0259, 0.3188, 0.3368



71.5821, 0.3299, 0.3225



20.9033, 0.3199, 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.



83.6759, 0.3314, 0.3527



93.3035, 0.3348, 0.3569



85.7567, 0.3251, 0.3592



17.8733, 0.3273, 0.3476



30.6203, 0.4611, 0.4721



2.6850, 0.4546, 0.4773

Inverse Universe

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



71.1958, 0.2938, 0.3041



77.0794, 0.2904, 0.2995



69.3915, 0.2994, 0.2981



15.7566, 0.2980, 0.3097



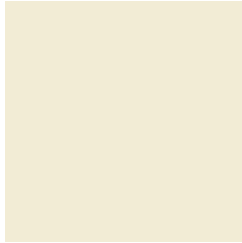
4.8209, 0.1558, 0.0808



0.5391, 0.1622, 0.1038

Previews

White Background



This preview shows how the Yxy color 83.6722, 0.3314, 0.3527 looks on a white background.

Color Contrast Check

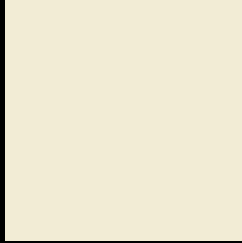
Large Text (above 18pt) WCAG AA × Fail

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 83.6722, 0.3314, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

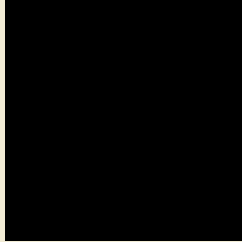
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

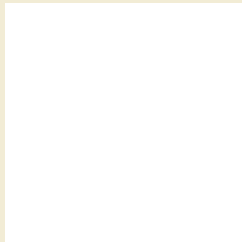
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6722, 0.3314, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 83.6722, 0.3314, 0.3527.

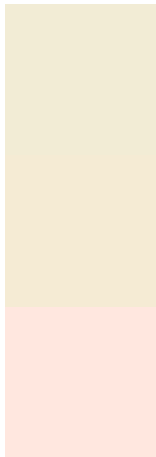


This preview shows how white text looks on a background with the Yxy color 83.6722, 0.3314, 0.3527.

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

83.6722, 0.3314, 0.3527

Protanopia

83.5826, 0.3343, 0.3526

Deuteranopia

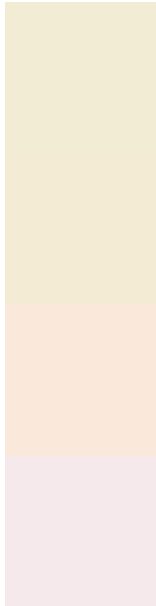
83.7395, 0.3346, 0.3370



Tritanopia

83.7655, 0.3122, 0.3112

Trichromacy



Original Color

83.6722, 0.3314, 0.3527

Protanomaly

83.4032, 0.3336, 0.3526

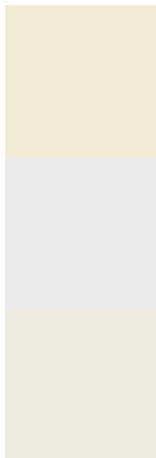
Deuteranomaly

83.7163, 0.3335, 0.3432

Tritanomaly

83.7464, 0.3190, 0.3260

Monochromacy



Original Color

83.6722, 0.3314, 0.3527

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.1399, 0.3198, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6722, 0.3314, 0.3527 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(242, 236, 213)` looks like.

```
.text, #text, p{  
    color:rgb(242, 236, 213)  
}
```

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(242, 236, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 236, 213) }
```

Border

The CSS property to change the border of an element to Yxy 83.6722, 0.3314, 0.3527 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(242, 236, 213) }
```

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

```
.border{ border-color:rgb(242, 236, 213) }
```

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

Here you see how a box with a 4 pixel rgb(242, 236, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 236, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 236, 213);  
box-shadow:4px 4px 4px 4px rgb(242, 236,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6722, 0.3314, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 236, 213) }
```

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

```
.background{ background-color: rgb(242,  
236, 213) }
```

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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