

Converting Colors

$Y_{xy}(84.7841, 0.3526, 0.3768)$

Have a look what the booklet for
Yxy(84.7841, 0.3526, 0.3768)
contains.

Yxy(84.7953, 0.3526, 0.3768)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.7953, 0.3526, 0.3768)

Conversions

Conversions Part 1

Format	Color
Hex	FBEDBE
RGB	251, 237, 190
RGB Percent	98%, 93%, 75%
CMY	0.0159, 0.0705, 0.2549
CMYK	0.00, 0.06, 0.24, 0.02
HSL	46°, 88%, 86%
HSV	46°, 24%, 98%
XYZ	79.3493, 84.7953, 60.8960
YIQ	235.8280, 23.4310, -11.6490

Conversions

Conversions Part 2

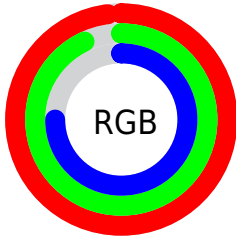
Format	Color
R_{YB}	208, 251, 190
Decimal	16510398
CIE Lab	93.79, -2.45, 24.52
CIE LCh	94, 24.643, 95.710
Yxy	84.7953, 0.3526, 0.3768
Android (android.graphics.Color)	4294700478 (0xFFFFBEDBE)
YUV	235.8280, -22.5932, 13.3058
Hunter-Lab	92.0844, -7.3338, 25.2502

Details

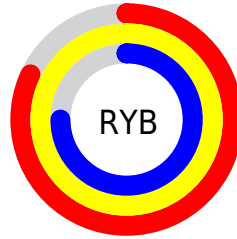
The Yxy color **84.7953, 0.3526, 0.3768** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **61.0603, 0.2723, 0.2761**, and the grayscale version is **83.9029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.4338, 0.3179, 0.3376**, and **46.2947, 0.3618, 0.3875** is the 20% darker color. If you saturate the color by 10%, you get **80.5255, 0.3707, 0.3970**, and if you desaturate by 10%, it is **89.3679, 0.3353, 0.3567**.

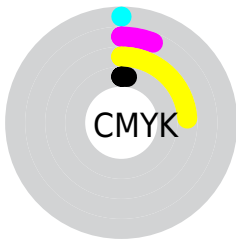
Distribution



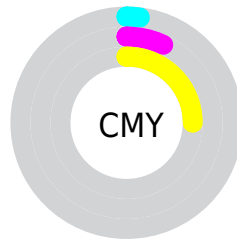
- Red (98%)
- Green (93%)
- Blue (75%)



- Red (82%)
- Yellow (98%)
- Blue (75%)



- Cyan (0%)
- Magenta (6%)
- Yellow (24%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.7953, 0.3526, 0.3768 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 84.7953, 0.3526, 0.3768 by changing the saturation by 10% instead.


 84.7953, 0.3526,
0.3768

 84.7953, 0.3526,
0.3768

510.9505, 0.3348,
0.3553

 63.6723, 0.3565,
0.3816


 140.0871, 0.3466,
0.3695

 46.3853, 0.3612,
0.3874

175.0247, 0.3442,
0.3666

 32.5500, 0.3670,
0.3946


215.3360, 0.3421,
0.3640

 21.7819, 0.3744,
0.4037

261.4052, 0.3403,
0.3619

 13.6967, 0.3839,
0.4157

313.6169, 0.3387,
0.3599

 7.9100, 0.3966,
0.4319

372.3554, 0.3372,

 4.0374, 0.4139,

0.3582

0.4547

438.0051, 0.3359,
0.3566

■ 1.6945, 0.4729,
0.5271

■ 0.4201, 0.4469,
0.5531

■ 84.7953, 0.3526,
0.3768

■ 84.7953, 0.3526,
0.3768

■ 80.5255, 0.3707,
0.3970

■ 89.3679, 0.3353,
0.3567

■ 76.5365, 0.3893,
0.4163

■ 94.2418, 0.3192,
0.3371

■ 72.8204, 0.4076,
0.4340

■ 98.7503, 0.3102,
0.3283

■ 69.3647, 0.4249,
0.4488

■ 99.2409, 0.3102,
0.3290

■ 66.1553, 0.4403,
0.4599

■ 63.1758, 0.4532,
0.4663

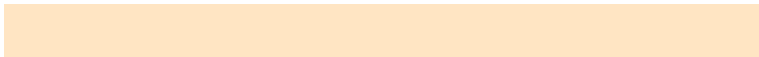
■ 60.4066, 0.4630,
0.4678

■ 58.9042, 0.4675,
0.4670

Harmonies

Analogous

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



84.7953, 0.3672, 0.3625



84.7953, 0.3526, 0.3768



84.7953, 0.3275, 0.3780

Triad

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



84.7953, 0.3526, 0.3768



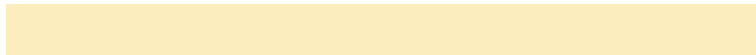
84.7953, 0.2616, 0.3134



84.7953, 0.3246, 0.2971

Complementary

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



84.7953, 0.3526, 0.3768



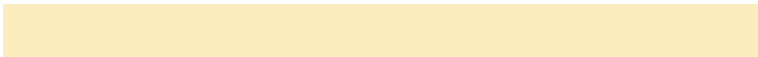
61.0603, 0.2723, 0.2761

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.



84.7953, 0.2961, 0.2848



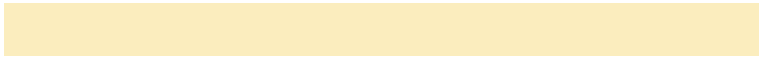
84.7953, 0.3526, 0.3768



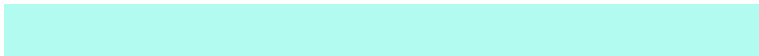
84.7953, 0.2608, 0.2928

Square

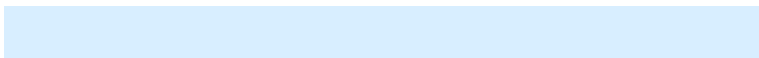
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.7953, 0.3526, 0.3768



84.7953, 0.2754, 0.3399



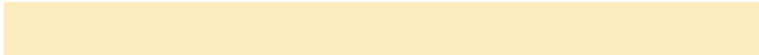
84.7953, 0.2731, 0.2829



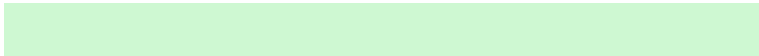
84.7953, 0.3508, 0.3172

Rectangle

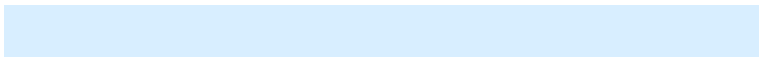
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.7953, 0.3526, 0.3768



84.7953, 0.3086, 0.3705



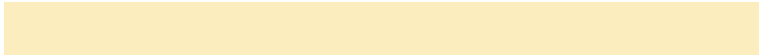
84.7953, 0.2731, 0.2829



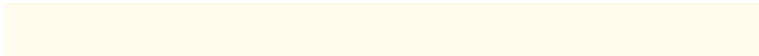
84.7953, 0.3149, 0.2920

Sweetspot

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



84.7991, 0.3526, 0.3768



96.3276, 0.3235, 0.3423



61.6956, 0.3520, 0.3142



20.5519, 0.3244, 0.3435



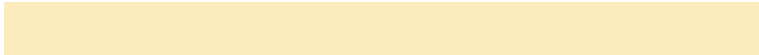
0.0000, 0.0000, 0.0000



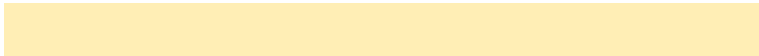
21.4041, 0.3127, 0.3290

Same Dimension

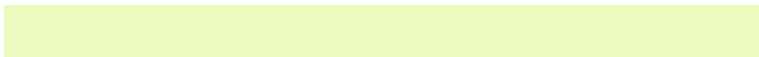
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.7991, 0.3526, 0.3768



85.8040, 0.3611, 0.3864



90.2947, 0.3385, 0.3921



19.4784, 0.3275, 0.3472



31.2057, 0.4665, 0.4678



3.0484, 0.4597, 0.4732

Inverse Universe

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



61.0603, 0.2723, 0.2761



57.4163, 0.2636, 0.2641



56.9446, 0.2823, 0.2621



17.2866, 0.2979, 0.3101



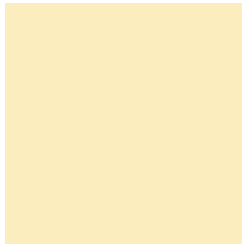
5.3984, 0.1568, 0.0845



0.6528, 0.1627, 0.1057

Previews

White Background



This preview shows how the Yxy color 84.7953, 0.3526, 0.3768 looks on a white background.

Color Contrast Check

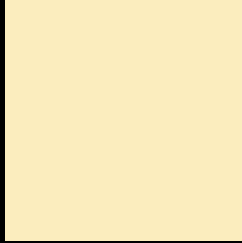
Large Text (above 18pt) WCAG AA × Fail

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 84.7953, 0.3526, 0.3768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

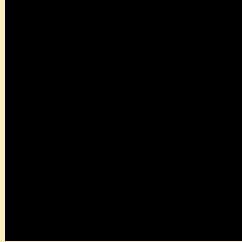
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

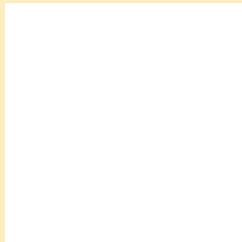
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7953, 0.3526, 0.3768

Background



This preview shows how black text looks on a background with the Yxy color 84.7953, 0.3526, 0.3768.



This preview shows how white text looks on a background with the Yxy color 84.7953, 0.3526, 0.3768.

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

84.7953, 0.3526, 0.3768

Protanopia

84.9815, 0.3534, 0.3767

Deuteranopia

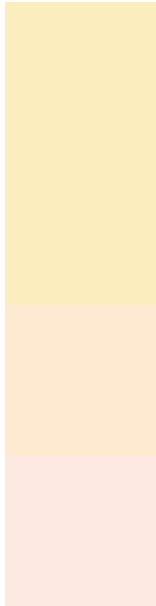
84.6523, 0.3370, 0.3430



Tritanopia

84.5074, 0.3196, 0.3134

Trichromacy



Original Color

84.7953, 0.3526, 0.3768

Protanomaly

84.9815, 0.3534, 0.3767

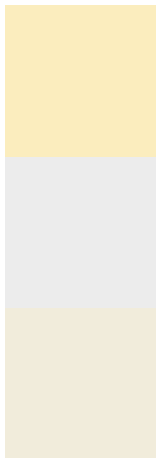
Deuteranomaly

84.4705, 0.3434, 0.3552

Tritanomaly

84.8396, 0.3317, 0.3360

Monochromacy



Original Color

84.7953, 0.3526, 0.3768

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

83.8062, 0.3268, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7953, 0.3526, 0.3768 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(251, 237, 190)` looks like.

```
.text, #text, p{  
    color:rgb(251, 237, 190)  
}
```

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(251, 237, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 237, 190) }
```

Border

The CSS property to change the border of an element to Yxy 84.7953, 0.3526, 0.3768 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(251, 237, 190) }
```

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

```
.border{ border-color:rgb(251, 237, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 237, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 237, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 237, 190);  
box-shadow:4px 4px 4px 4px rgb(251, 237,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7953, 0.3526, 0.3768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 237, 190) }
```

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

```
.background{ background-color: rgb(251,  
237, 190) }
```

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