

Converting Colors

$Yxy(90.9472, 0.3223, 0.3687)$

Have a look what the booklet for
Yxy(90.9472, 0.3223, 0.3687)
contains.

Yxy(90.7874, 0.3223, 0.3683)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.7874, 0.3223, 0.3683)

Conversions

Conversions Part 1

Format	Color
Hex	E7FBD5
RGB	231, 251, 213
RGB Percent	91%, 98%, 84%
CMY	0.0943, 0.0156, 0.1648
CMYK	0.08, 0.00, 0.15, 0.02
HSL	92°, 83%, 91%
HSV	92°, 15%, 98%
XYZ	79.4482, 90.7874, 76.2683
YIQ	240.6880, 0.2780, -16.0580

Conversions

Conversions Part 2

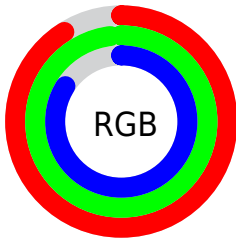
Format	Color
R _Y B	213, 251, 233
Decimal	15203285
CIE Lab	96.32, -13.15, 16.04
CIE LCh	96, 20.742, 129.349
Yxy	90.7874, 0.3223, 0.3683
Android (android.graphics.Color)	4293393365 (0xFFE7FBD5)
YUV	240.6880, -13.6502, -8.4964
Hunter-Lab	95.2824, -17.9077, 19.2393

Details

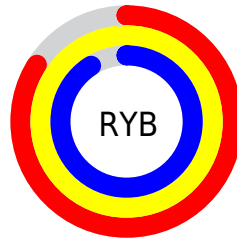
The Yxy color **90.7874, 0.3223, 0.3683** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.8721, 0.3018, 0.2899**, and the grayscale version is **87.8096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1662, 0.3242, 0.3770** is the 20% darker color. If you saturate the color by 10%, you get **87.4941, 0.3284, 0.3969**, and if you desaturate by 10%, it is **94.4525, 0.3160, 0.3418**.

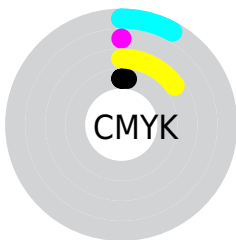
Distribution



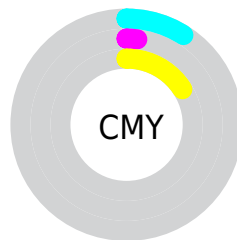
- Red (91%)
- Green (98%)
- Blue (84%)



- Red (84%)
- Yellow (98%)
- Blue (91%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (2%)



- Cyan (9%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7874, 0.3223, 0.3683 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 90.7874, 0.3223, 0.3683 by changing the saturation by 10% instead.


 90.7874, 0.3223,
0.3683

 90.7874, 0.3223,
0.3683

530.5889, 0.3182,
0.3504

 68.6339, 0.3231,
0.3723


148.4316, 0.3210,
0.3622

 50.4136, 0.3241,
0.3772


184.6912, 0.3204,
0.3598

 35.7422, 0.3253,
0.3834


226.4215, 0.3199,
0.3577

 24.2351, 0.3268,
0.3913

274.0070, 0.3195,
0.3559

 15.5081, 0.3286,
0.4019

327.8321, 0.3192,
0.3543

 9.1768, 0.3309,
0.4169

388.2812, 0.3188,

 4.8567, 0.3336,

0.3528

0.4393

455.7387, 0.3185,
0.3516

■ 2.1634, 0.3366,
0.4769

■ 0.6999, 0.3297,
0.6703

■ 90.7874, 0.3223,
0.3683

■ 90.7874, 0.3223,
0.3683

■ 87.4941, 0.3284,
0.3969

■ 94.4525, 0.3160,
0.3418

■ 84.5480, 0.3339,
0.4269

■ 97.4873, 0.3129,
0.3252

■ 81.9396, 0.3384,
0.4575

■ 79.6543, 0.3416,
0.4875

■ 77.6763, 0.3430,
0.5152

■ 75.9880, 0.3422,
0.5391

■ 74.5695, 0.3393,
0.5577

■ 73.3971, 0.3344,
0.5704

■ 72.9029, 0.3317,
0.5749

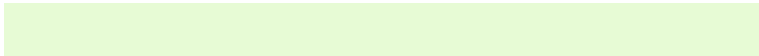
Harmonies

Analogous

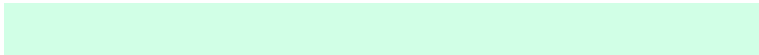
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7874, 0.3435, 0.3691



90.7874, 0.3223, 0.3683



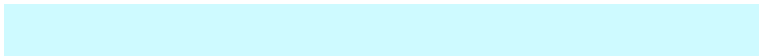
90.7874, 0.2991, 0.3558

Triad

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



90.7874, 0.3223, 0.3683



90.7874, 0.2704, 0.2978



90.7874, 0.3461, 0.3216

Complementary

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



90.7874, 0.3223, 0.3683



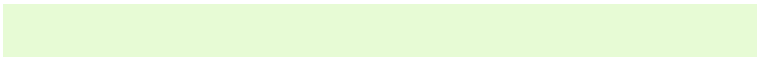
71.8721, 0.3018, 0.2899

Split Complementary

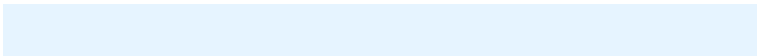
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7874, 0.3254, 0.3043



90.7874, 0.3223, 0.3683



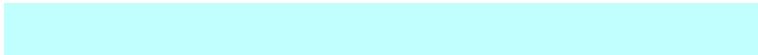
90.7874, 0.2819, 0.2905

Square

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



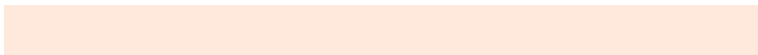
90.7874, 0.3223, 0.3683



90.7874, 0.2697, 0.3140



90.7874, 0.3018, 0.2930



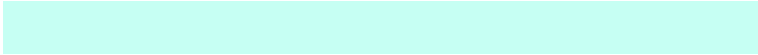
90.7874, 0.3577, 0.3413

Rectangle

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



90.7874, 0.3223, 0.3683



90.7874, 0.2856, 0.3427



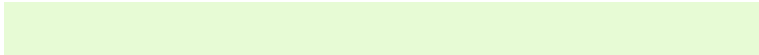
90.7874, 0.3018, 0.2930



90.7874, 0.3400, 0.3154

Sweetspot

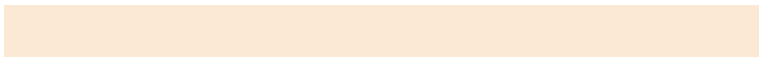
The Sweet Spot groups the original color and five complimentary colors.



90.7913, 0.3223, 0.3683



97.9527, 0.3159, 0.3414



83.3852, 0.3382, 0.3489



20.9060, 0.3163, 0.3432



0.0000, 0.0000, 0.0000



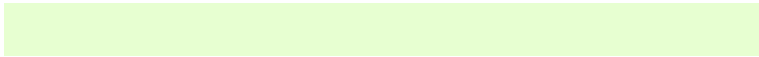
21.4041, 0.3127, 0.3290

Same Dimension

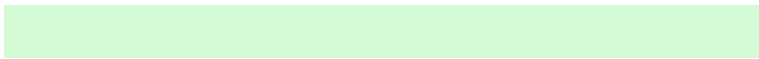
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7913, 0.3223, 0.3683



93.0826, 0.3241, 0.3763



87.9846, 0.3104, 0.3690



19.7114, 0.3187, 0.3530



38.3988, 0.3328, 0.5739



3.6189, 0.3420, 0.5667

Inverse Universe

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



71.8721, 0.3018, 0.2899



70.2457, 0.2994, 0.2820



75.0148, 0.3149, 0.2920



17.0935, 0.3062, 0.3051



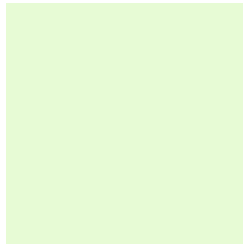
6.3434, 0.2076, 0.0917



0.6506, 0.2202, 0.0987

Previews

White Background



This preview shows how the Yxy color 90.7874, 0.3223, 0.3683 looks on a white background.

Color Contrast Check

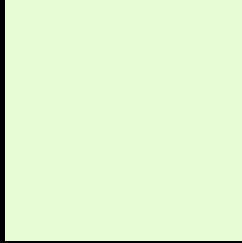
Large Text (above 18pt) WCAG AA × Fail

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 90.7874, 0.3223, 0.3683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

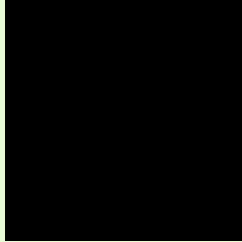
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

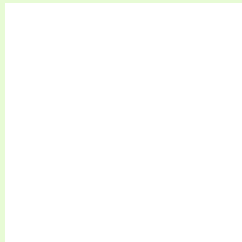
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7874, 0.3223, 0.3683

Background



This preview shows how black text looks on a background with the Yxy color 90.7874, 0.3223, 0.3683.

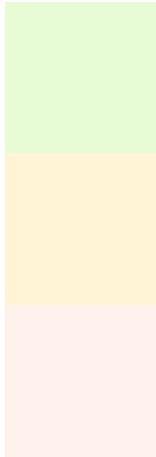


This preview shows how white text looks on a background with the Yxy color 90.7874, 0.3223, 0.3683.

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

90.7874, 0.3223, 0.3683

Protanopia

90.8164, 0.3386, 0.3587

Deuteranopia

90.2267, 0.3251, 0.3339



Tritanopia

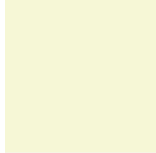
90.6221, 0.3043, 0.3182

Trichromacy



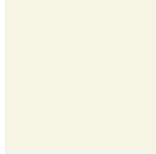
Original Color

90.7874, 0.3223, 0.3683



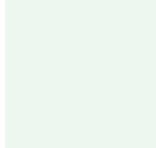
Protanomaly

90.9694, 0.3321, 0.3622



Deuteranomaly

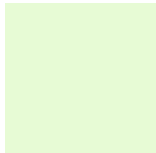
90.4991, 0.3237, 0.3460



Tritanomaly

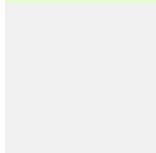
90.8173, 0.3105, 0.3360

Monochromacy



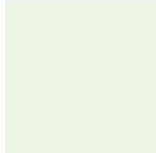
Original Color

90.7874, 0.3223, 0.3683



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.0789, 0.3159, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7874, 0.3223, 0.3683 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(231, 251, 213)` looks like.

```
.text, #text, p{  
    color:rgb(231, 251, 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(231, 251, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 251, 213) }
```

Border

The CSS property to change the border of an element to Yxy 90.7874, 0.3223, 0.3683 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(231, 251, 213) }
```

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

```
.border{ border-color:rgb(231, 251, 213) }
```

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

Here you see how a box with a 4 pixel rgb(231, 251, 213) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 251, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 251, 213);  
box-shadow:4px 4px 4px 4px rgb(231, 251,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7874, 0.3223, 0.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 251, 213) }
```

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

```
.background{ background-color: rgb(231,  
251, 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](#).

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