

Converting Colors

$Yxy(84.0173, 0.3473, 0.3726)$

Have a look what the booklet for
Yxy(84.0173, 0.3473, 0.3726)
contains.

Yxy(84.2376, 0.3471, 0.3731)	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(84.2376, 0.3471, 0.3731)

Conversions

Conversions Part 1

Format	Color
Hex	F7EDC2
RGB	247, 237, 194
RGB Percent	97%, 93%, 76%
CMY	0.0316, 0.0705, 0.2392
CMYK	0.00, 0.04, 0.21, 0.03
HSL	49°, 77%, 86%
HSV	49°, 21%, 97%
XYZ	78.3674, 84.2376, 63.1726
YIQ	235.0880, 19.7630, -11.2530

Conversions

Conversions Part 2

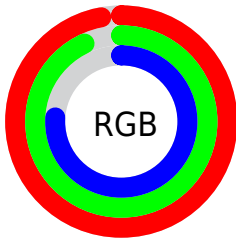
Format	Color
R _Y B	206, 247, 194
Decimal	16248258
CIE Lab	93.55, -3.36, 22.08
CIE LCh	94, 22.331, 98.659
Yxy	84.2376, 0.3471, 0.3731
Android (android.graphics.Color)	4294438338 (0xFFF7EDC2)
YUV	235.0880, -20.2564, 10.4468
Hunter-Lab	91.7810, -8.2043, 23.4376

Details

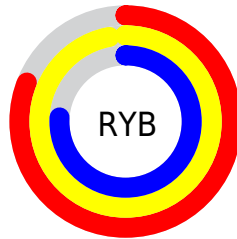
The Yxy color $84.2376, 0.3471, 0.3731$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $61.3402, 0.2773, 0.2807$, and the grayscale version is $83.2925, 0.3127, 0.3290$.

A 20% lighter version of the original color is $99.7450, 0.3150, 0.3328$, and $45.8883, 0.3547, 0.3830$ is the 20% darker color. If you saturate the color by 10%, you get $80.5742, 0.3645, 0.3942$, and if you desaturate by 10%, it is $88.1622, 0.3305, 0.3521$.

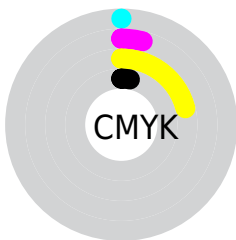
Distribution



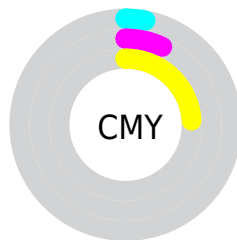
- Red (97%)
- Green (93%)
- Blue (76%)



- Red (81%)
- Yellow (97%)
- Blue (76%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (3%)



- Cyan (3%)
- Magenta (7%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.2376, 0.3471, 0.3731 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 84.2376, 0.3471, 0.3731 by changing the saturation by 10% instead.

84.2376, 0.3471,
0.3731

84.2376, 0.3471,
0.3731

509.1019, 0.3317,
0.3531

63.2116, 0.3505,
0.3775

139.3075, 0.3419,
0.3663

46.0124, 0.3546,
0.3830

174.1202, 0.3398,
0.3636

32.2556, 0.3596,
0.3897

214.2973, 0.3380,
0.3613

21.5568, 0.3660,
0.3984

260.2231, 0.3365,
0.3592

13.5316, 0.3744,
0.4098

312.2821, 0.3351,
0.3574

7.7956, 0.3856,
0.4255

370.8586, 0.3338,

3.9645, 0.4011,

0.3558

0.4480

436.3371, 0.3327,
0.3544

■ 1.6537, 0.4541,
0.5177

■ 0.3934, 0.4259,
0.5741

■ 84.2376, 0.3471,
0.3731

■ 84.2376, 0.3471,
0.3731

■ 80.5742, 0.3645,
0.3942

■ 88.1622, 0.3305,
0.3521

■ 77.1511, 0.3822,
0.4147

■ 92.3457, 0.3149,
0.3318

■ 73.9617, 0.3996,
0.4337

■ 95.9280, 0.3079,
0.3250

■ 70.9945, 0.4160,
0.4501

■ 98.5053, 0.3078,
0.3290

■ 68.2370, 0.4306,
0.4629

■ 65.6745, 0.4427,
0.4713

■ 63.2899, 0.4518,
0.4749

■ 61.3666, 0.4576,
0.4748

Harmonies

Analogous

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



84.2376, 0.3615, 0.3613



84.2376, 0.3471, 0.3731



84.2376, 0.3238, 0.3727

Triad

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



84.2376, 0.3471, 0.3731



84.2376, 0.2655, 0.3128



84.2376, 0.3261, 0.3015

Complementary

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



84.2376, 0.3471, 0.3731



61.3402, 0.2773, 0.2807

Split Complementary

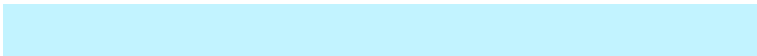
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2376, 0.3001, 0.2893



84.2376, 0.3471, 0.3731



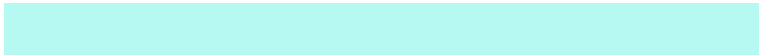
84.2376, 0.2660, 0.2948

Square

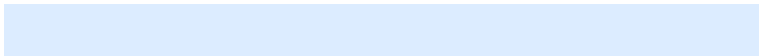
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2376, 0.3471, 0.3731



84.2376, 0.2771, 0.3366



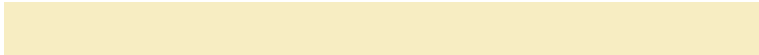
84.2376, 0.2784, 0.2867



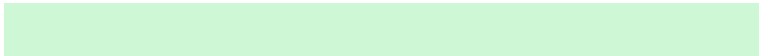
84.2376, 0.3492, 0.3203

Rectangle

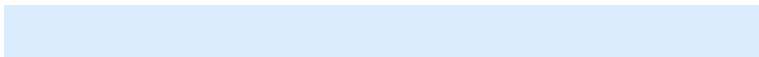
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2376, 0.3471, 0.3731



84.2376, 0.3065, 0.3650



84.2376, 0.2784, 0.2867



84.2376, 0.3174, 0.2965

Sweetspot

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



84.2414, 0.3471, 0.3731



97.2361, 0.3219, 0.3410



62.7416, 0.3476, 0.3179



20.7495, 0.3229, 0.3423



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.



84.2414, 0.3471, 0.3731



88.7617, 0.3550, 0.3829



87.3876, 0.3343, 0.3845



18.7541, 0.3273, 0.3481



32.6665, 0.4569, 0.4754



3.0045, 0.4513, 0.4799

Inverse Universe

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



61.3402, 0.2773, 0.2807



59.8372, 0.2689, 0.2687



58.9861, 0.2877, 0.2710



16.4295, 0.2979, 0.3092



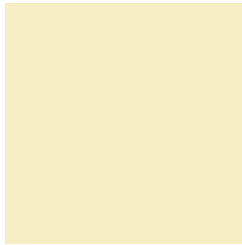
4.7487, 0.1549, 0.0776



0.5515, 0.1607, 0.0985

Previews

White Background



This preview shows how the Yxy color 84.2376, 0.3471, 0.3731 looks on a white background.

Color Contrast Check

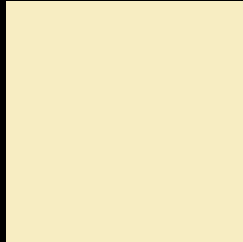
Large Text (above 18pt) WCAG AA × Fail

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 84.2376, 0.3471, 0.3731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

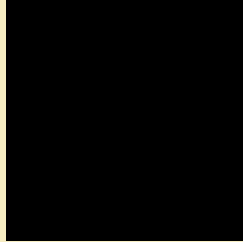
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2376, 0.3471, 0.3731

Background



This preview shows how black text looks on a background with the Yxy color 84.2376, 0.3471, 0.3731.

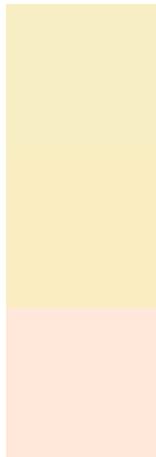


This preview shows how white text looks on a background with the Yxy color 84.2376, 0.3471, 0.3731.

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

84.2376, 0.3471, 0.3731

Protanopia

84.1652, 0.3502, 0.3728

Deuteranopia

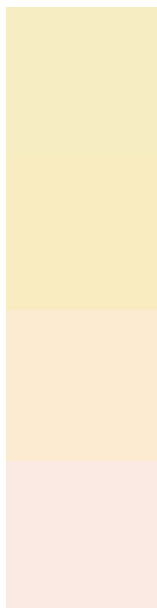
84.0352, 0.3378, 0.3430



Tritanopia

84.4418, 0.3176, 0.3115

Trichromacy



Original Color

84.2376, 0.3471, 0.3731

Protanomaly

83.9809, 0.3494, 0.3729

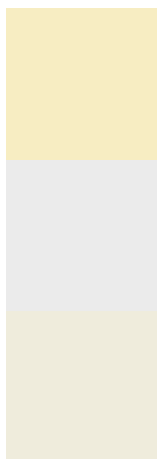
Deuteranomaly

84.1445, 0.3414, 0.3543

Tritanomaly

84.3885, 0.3282, 0.3340

Monochromacy



Original Color

84.2376, 0.3471, 0.3731

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.5089, 0.3248, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2376, 0.3471, 0.3731 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(247, 237, 194)` looks like.

```
.text, #text, p{  
    color:rgb(247, 237, 194)  
}
```

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(247, 237, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 237, 194) }
```

Border

The CSS property to change the border of an element to Yxy 84.2376, 0.3471, 0.3731 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(247, 237, 194) }
```

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

```
.border{ border-color:rgb(247, 237, 194) }
```

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

Here you see how a box with a 4 pixel rgb(247, 237, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 237, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 237, 194);  
box-shadow:4px 4px 4px 4px rgb(247, 237,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2376, 0.3471, 0.3731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 237, 194) }
```

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

```
.background{ background-color: rgb(247,  
237, 194) }
```

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