

Converting Colors

$Yxy(87.7637, 0.3553, 0.3881)$

Have a look what the booklet for
Yxy(87.7637, 0.3553, 0.3881)
contains.

Yxy(87.4742, 0.3553, 0.3876)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.4742, 0.3553, 0.3876)

Conversions

Conversions Part 1

Format	Color
Hex	FBF2B8
RGB	251, 242, 184
RGB Percent	98%, 95%, 72%
CMY	0.0158, 0.0509, 0.2783
CMYK	0.00, 0.04, 0.27, 0.02
HSL	52°, 89%, 85%
HSV	52°, 27%, 98%
XYZ	80.1847, 87.4742, 58.0227
YIQ	238.0790, 23.9820, -16.1300

Conversions

Conversions Part 2

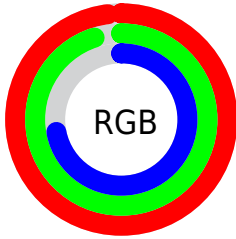
Format	Color
R _Y B	194, 251, 184
Decimal	16511672
CIE Lab	94.94, -5.74, 29.13
CIE LCh	95, 29.687, 101.143
Yxy	87.4742, 0.3553, 0.3876
Android (android.graphics.Color)	4294701752 (0xFFFBF2B8)
YUV	238.0790, -26.6609, 11.3317
Hunter-Lab	93.5276, -10.6388, 28.6870

Details

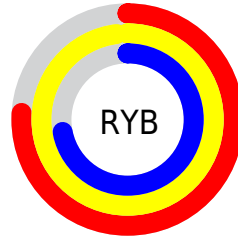
The Yxy color **87.4742, 0.3553, 0.3876** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.2995, 0.2672, 0.2627**, and the grayscale version is **85.7632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.0713, 0.3214, 0.3434**, and **48.2258, 0.3641, 0.3999** is the 20% darker color. If you saturate the color by 10%, you get **84.5336, 0.3721, 0.4096**, and if you desaturate by 10%, it is **90.6463, 0.3387, 0.3652**.

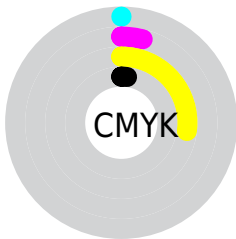
Distribution



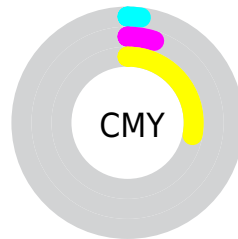
- Red (98%)
- Green (95%)
- Blue (72%)



- Red (76%)
- Yellow (98%)
- Blue (72%)



- Cyan (0%)
- Magenta (4%)
- Yellow (27%)
- Black (2%)





- Cyan (2%)
- Magenta (5%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4742, 0.3553, 0.3876 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 87.4742, 0.3553, 0.3876 by changing the saturation by 10% instead.


 87.4742, 0.3553,
0.3876

 87.4742, 0.3553,
0.3876


519.7798, 0.3366,
0.3612

 65.8877, 0.3593,
0.3934


 143.8249, 0.3490,
0.3786

 48.1812, 0.3642,
0.4005


179.3579, 0.3465,
0.3751

 33.9704, 0.3701,
0.4092


220.3085, 0.3443,
0.3720

 22.8709, 0.3774,
0.4203

267.0612, 0.3424,
0.3693

 14.4982, 0.3866,
0.4347

320.0002, 0.3407,
0.3669

 8.4680, 0.3985,
0.4539

379.5101, 0.3392,

 4.3958, 0.4135,

0.3648

0.4805

445.9752, 0.3378,
0.3629

■ 1.8974, 0.4544,
0.5456

■ 0.5468, 0.4098,
0.5902

■ 87.4742, 0.3553,
0.3876

■ 87.4742, 0.3553,
0.3876

■ 84.5336, 0.3721,
0.4096

■ 90.6463, 0.3387,
0.3652

■ 81.8024, 0.3886,
0.4304

■ 94.0473, 0.3228,
0.3432

■ 79.2738, 0.4041,
0.4490

■ 97.4080, 0.3103,
0.3262

■ 76.9356, 0.4180,
0.4643

■ 99.2455, 0.3102,
0.3290

■ 74.7740, 0.4294,
0.4755

■ 72.7729, 0.4382,
0.4821

■ 70.9121, 0.4440,
0.4843

■ 70.3140, 0.4456,
0.4844

Harmonies

Analogous

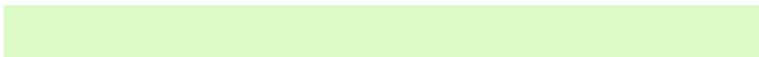
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4742, 0.3757, 0.3725



87.4742, 0.3553, 0.3876



87.4742, 0.3240, 0.3863

Triad

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



87.4742, 0.3553, 0.3876



87.4742, 0.2509, 0.3048



87.4742, 0.3328, 0.2951

Complementary

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



87.4742, 0.3553, 0.3876



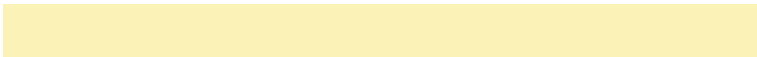
55.2995, 0.2672, 0.2627

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.



87.4742, 0.2986, 0.2786



87.4742, 0.3553, 0.3876



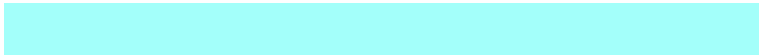
87.4742, 0.2529, 0.2827

Square

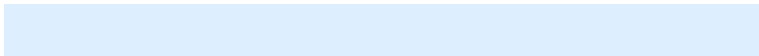
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4742, 0.3553, 0.3876



87.4742, 0.2644, 0.3359



87.4742, 0.2698, 0.2739



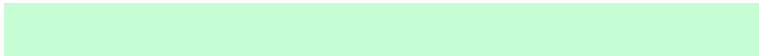
87.4742, 0.3628, 0.3196

Rectangle

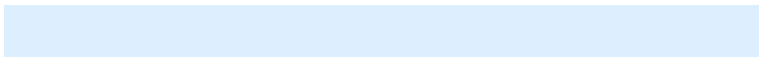
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4742, 0.3553, 0.3876



87.4742, 0.3015, 0.3751



87.4742, 0.2698, 0.2739



87.4742, 0.3214, 0.2885

Sweetspot

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



87.4781, 0.3553, 0.3876



97.0236, 0.3249, 0.3461



58.6989, 0.3618, 0.3186



20.6511, 0.3272, 0.3494



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.



87.4781, 0.3553, 0.3876



89.0346, 0.3643, 0.3995



88.8641, 0.3372, 0.3995



19.7707, 0.3272, 0.3494



37.1237, 0.4451, 0.4848



3.5447, 0.4416, 0.4876

Inverse Universe

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



55.2995, 0.2672, 0.2627



50.5692, 0.2568, 0.2470



54.5912, 0.2828, 0.2556



17.0178, 0.2979, 0.3078



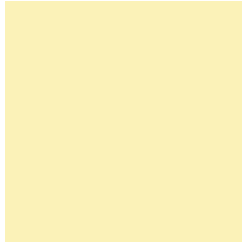
4.3685, 0.1529, 0.0702



0.5171, 0.1575, 0.0869

Previews

White Background



This preview shows how the Yxy color 87.4742, 0.3553, 0.3876 looks on a white background.

Color Contrast Check

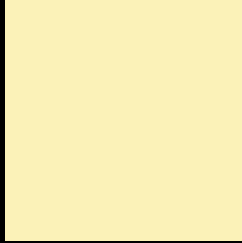
Large Text (above 18pt) WCAG AA × Fail

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 87.4742, 0.3553, 0.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

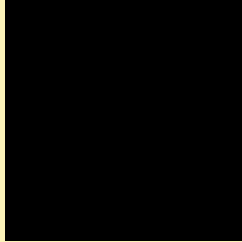
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.4742, 0.3553, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 87.4742, 0.3553, 0.3876.



This preview shows how white text looks on a background with the Yxy color 87.4742, 0.3553, 0.3876.

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

87.4742, 0.3553, 0.3876

Protanopia

87.3418, 0.3542, 0.3781

Deuteranopia

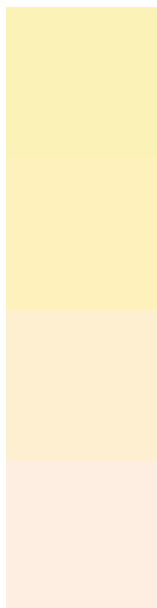
87.2102, 0.3332, 0.3419



Tritanopia

87.5162, 0.3174, 0.3154

Trichromacy



Original Color

87.4742, 0.3553, 0.3876

Protanomaly

87.6123, 0.3551, 0.3822

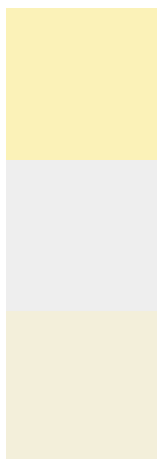
Deuteranomaly

87.4073, 0.3419, 0.3590

Tritanomaly

87.6561, 0.3317, 0.3419

Monochromacy



Original Color

87.4742, 0.3553, 0.3876

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.8496, 0.3285, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4742, 0.3553, 0.3876 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, 242, 184)` looks like.

```
.text, #text, p{  
    color:rgb(251, 242, 184)  
}
```

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, 242, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 242, 184) }
```

Border

The CSS property to change the border of an element to Yxy 87.4742, 0.3553, 0.3876 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, 242, 184) }
```

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

```
.border{ border-color:rgb(251, 242, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 242, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 242, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 242, 184);  
box-shadow:4px 4px 4px 4px rgb(251, 242,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4742, 0.3553, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 242, 184) }
```

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

```
.background{ background-color: rgb(251,  
242, 184) }
```

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