

Converting Colors

$Yxy(87.7908, 0.3648, 0.4037)$

Have a look what the booklet for
Yxy(87.7908, 0.3648, 0.4037)
contains.

Yxy(87.6612, 0.3652, 0.4034)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.6612, 0.3652, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	FCF3A9
RGB	252, 243, 169
RGB Percent	99%, 95%, 66%
CMY	0.0117, 0.0470, 0.3372
CMYK	0.00, 0.04, 0.33, 0.01
HSL	53°, 93%, 83%
HSV	53°, 33%, 99%
XYZ	79.3601, 87.6612, 50.2846
YIQ	237.2550, 29.1180, -21.1060

Conversions

Conversions Part 2

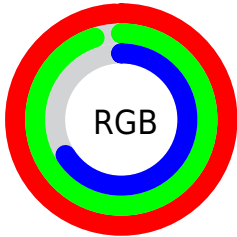
Format	Color
RYB	179, 252, 169
Decimal	16577449
CIELab	95.02, -7.70, 36.82
CIELCh	95, 37.615, 101.817
Yxy	87.6612, 0.3652, 0.4034
Android (android.graphics.Color)	4294767529 (0xFFFCF3A9)
YUV	237.2550, -33.6497, 12.9314
Hunter-Lab	93.6276, -12.5490, 33.6964

Details

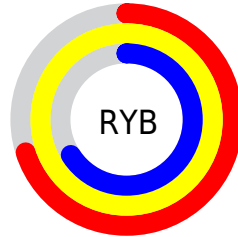
The Yxy color **87.6612, 0.3652, 0.4034** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.3180, 0.2547, 0.2417**, and the grayscale version is **85.1466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.2162, 0.3304, 0.3582**, and **48.2709, 0.3754, 0.4197** is the 20% darker color. If you saturate the color by 10%, you get **85.1836, 0.3814, 0.4252**, and if you desaturate by 10%, it is **90.3535, 0.3487, 0.3806**.

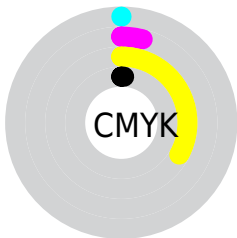
Distribution



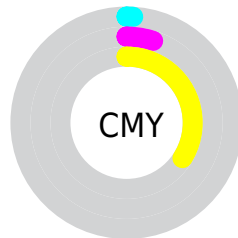
- Red (99%)
- Green (95%)
- Blue (66%)



- Red (70%)
- Yellow (99%)
- Blue (66%)



- Cyan (0%)
- Magenta (4%)
- Yellow (33%)
- Black (1%)





- Cyan (1%)
- Magenta (5%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.6612, 0.3652, 0.4034 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 87.6612, 0.3652, 0.4034 by changing the saturation by 10% instead.

 87.6612, 0.3652,
0.4034

 87.6612, 0.3652,
0.4034

520.3931, 0.3424,
0.3700

 66.0425, 0.3700,
0.4107


 144.0854, 0.3576,
0.3921

 48.3069, 0.3757,
0.4195

179.6597, 0.3546,
0.3876

 34.0700, 0.3825,
0.4303


220.6546, 0.3519,
0.3837

 22.9474, 0.3908,
0.4439

267.4546, 0.3495,
0.3803

 14.5547, 0.4009,
0.4612

320.4441, 0.3474,
0.3773

 8.5074, 0.4130,
0.4835

380.0074, 0.3456,

 4.4213, 0.4305,

0.3746

0.5177

446.5289, 0.3439,
0.3722

■ 1.9119, 0.4430,
0.5570

■ 0.5555, 0.3796,
0.6204

■ 87.6612, 0.3652,
0.4034

■ 87.6612, 0.3652,
0.4034

■ 85.1836, 0.3814,
0.4252

■ 90.3535, 0.3487,
0.3806

■ 82.8982, 0.3968,
0.4451

■ 93.2584, 0.3326,
0.3577

■ 80.7973, 0.4106,
0.4621

■ 96.3890, 0.3171,
0.3354

■ 78.8677, 0.4222,
0.4752

■ 98.7616, 0.3109,
0.3280

■ 77.0944, 0.4311,
0.4838

99.4365, 0.3109,
0.3290

■ 75.4588, 0.4372,
0.4880

■ 74.3665, 0.4402,
0.4887

Harmonies

Analogous

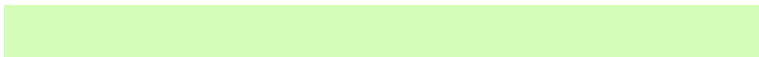
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6612, 0.3919, 0.3835



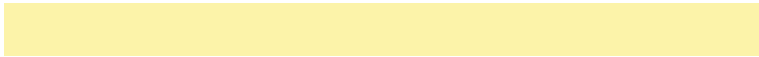
87.6612, 0.3652, 0.4034



87.6612, 0.3253, 0.4023

Triad

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



87.6612, 0.3652, 0.4034



87.6612, 0.2354, 0.2969



87.6612, 0.3389, 0.2872

Complementary

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



87.6612, 0.3652, 0.4034



47.3180, 0.2547, 0.2417

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.



87.6612, 0.2955, 0.2668



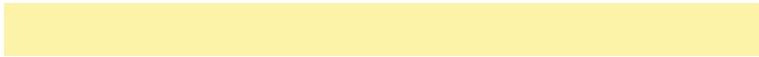
87.6612, 0.3652, 0.4034



87.6612, 0.2383, 0.2701

Square

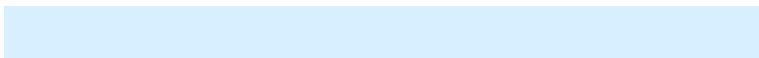
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.6612, 0.3652, 0.4034



87.6612, 0.2514, 0.3363



87.6612, 0.2595, 0.2602



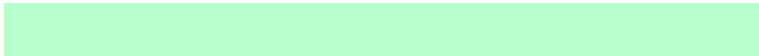
87.6612, 0.3769, 0.3175

Rectangle

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



87.6612, 0.3652, 0.4034



87.6612, 0.2971, 0.3877



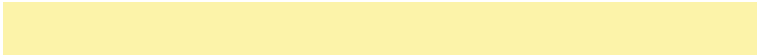
87.6612, 0.2595, 0.2602



87.6612, 0.3243, 0.2791

Sweetspot

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



87.6652, 0.3652, 0.4034



96.7127, 0.3280, 0.3511



52.3244, 0.3806, 0.3189



20.6057, 0.3302, 0.3543



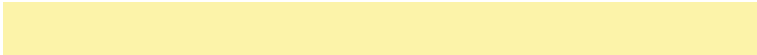
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

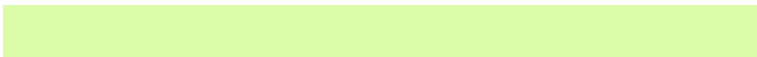
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.6652, 0.3652, 0.4034



88.2216, 0.3768, 0.4191



87.7363, 0.3407, 0.4178



19.8501, 0.3272, 0.3499



38.8700, 0.4398, 0.4890



3.6893, 0.4370, 0.4912

Inverse Universe

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



47.3180, 0.2547, 0.2417



40.5668, 0.2402, 0.2191



47.8082, 0.2763, 0.2367



16.9460, 0.2979, 0.3072



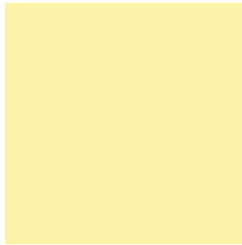
4.1782, 0.1521, 0.0675



0.4832, 0.1561, 0.0820

Previews

White Background



This preview shows how the Yxy color 87.6612, 0.3652, 0.4034 looks on a white background.

Color Contrast Check

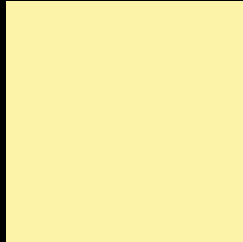
Large Text (above 18pt) WCAG AA × Fail

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 87.6612, 0.3652, 0.4034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

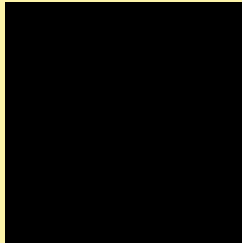
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.6612, 0.3652, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 87.6612, 0.3652, 0.4034.

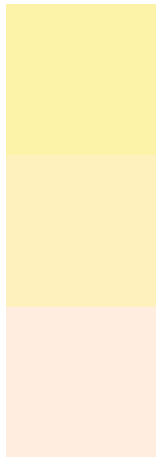


This preview shows how white text looks on a background with the Yxy color 87.6612, 0.3652, 0.4034.

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

87.6612, 0.3652, 0.4034

Protanopia

87.8883, 0.3546, 0.3801

Deuteranopia

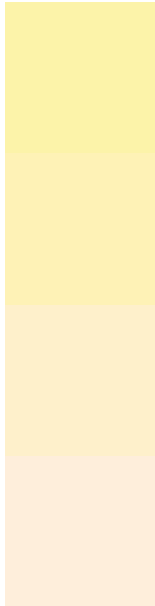
87.7368, 0.3337, 0.3439



Tritanopia

87.4540, 0.3180, 0.3164

Trichromacy



Original Color

87.6612, 0.3652, 0.4034

Protanomaly

87.9525, 0.3587, 0.3892

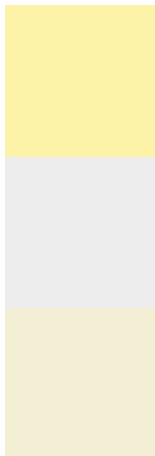
Deuteranomaly

87.7028, 0.3457, 0.3661

Tritanomaly

87.3344, 0.3356, 0.3479

Monochromacy



Original Color

87.6612, 0.3652, 0.4034

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.3637, 0.3316, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.6612, 0.3652, 0.4034 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(252, 243, 169)` looks like.

```
.text, #text, p{  
    color:rgb(252, 243, 169)  
}
```

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(252, 243, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 243, 169) }
```

Border

The CSS property to change the border of an element to Yxy 87.6612, 0.3652, 0.4034 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(252, 243, 169) }
```

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

```
.border{ border-color:rgb(252, 243, 169) }
```

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

Here you see how a box with a 4 pixel rgb(252, 243, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 243, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 243, 169);  
box-shadow:4px 4px 4px 4px rgb(252, 243,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 87.6612, 0.3652, 0.4034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 243, 169) }
```

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

```
.background{ background-color: rgb(252,  
243, 169) }
```

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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