

Converting Colors

$Yxy(84.1106, 0.3652, 0.4078)$

Have a look what the booklet for
Yxy(84.1106, 0.3652, 0.4078)
contains.

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Color

Yxy(84.3770, 0.3648, 0.4081)

Conversions

Conversions Part 1

Format	Color
Hex	F5F0A3
RGB	245, 240, 163
RGB Percent	96%, 94%, 64%
CMY	0.0392, 0.0588, 0.3608
CMYK	0.00, 0.02, 0.33, 0.04
HSL	56°, 80%, 80%
HSV	56°, 33%, 96%
XYZ	75.4245, 84.3770, 46.9542
YIQ	232.7170, 27.6970, -22.8870

Conversions

Conversions Part 2

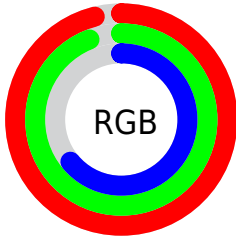
Format	Color
R_{YB}	168, 245, 163
Decimal	16117923
CIE _{Lab}	93.61, -9.57, 37.89
CIE _{LCh}	94, 39.077, 104.170
Yxy	84.3770, 0.3648, 0.4081
Android (android.graphics.Color)	4294308003 (0xFFFF5F0A3)
YUV	232.7170, -34.3705, 10.7722
Hunter-Lab	91.8570, -14.1819, 33.9928

Details

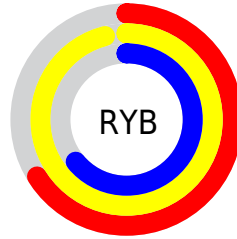
The Yxy color **84.3770, 0.3648, 0.4081** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.3723, 0.2531, 0.2353**, and the grayscale version is **81.5101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **46.0981, 0.3758, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **82.7128, 0.3801, 0.4307**, and if you desaturate by 10%, it is **86.2262, 0.3490, 0.3844**.

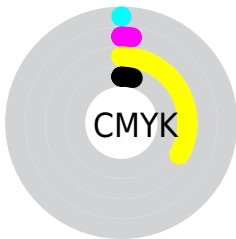
Distribution



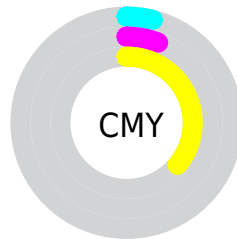
- Red (96%)
- Green (94%)
- Blue (64%)



- Red (66%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (33%)
- Black (4%)




- Cyan (4%)
- Magenta (6%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3770, 0.3648, 0.4081 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 84.3770, 0.3648, 0.4081 by changing the saturation by 10% instead.


 84.3770, 0.3648,
0.4081


 84.3770, 0.3648,
0.4081


509.5643, 0.3421,
0.3722

 63.3267, 0.3696,
0.4160


 139.5024, 0.3573,
0.3959

 46.1056, 0.3752,
0.4256

 174.3464, 0.3542,
0.3910

 32.3292, 0.3819,
0.4374


214.5570, 0.3516,
0.3869

 21.6130, 0.3900,
0.4522

260.5187, 0.3492,
0.3832

 13.5728, 0.3997,
0.4712

312.6159, 0.3472,
0.3800

 7.8242, 0.4108,
0.4958

371.2330, 0.3453,

 3.9826, 0.4324,

0.3771

436.7543, 0.3436,
0.3745

0.5408

1.6639, 0.4294,
0.5706

0.4001, 0.2684,
0.7316

84.3770, 0.3648,
0.4081

84.3770, 0.3648,
0.4081

82.7128, 0.3801,
0.4307

86.2262, 0.3490,
0.3844

81.2121, 0.3943,
0.4511

88.2579, 0.3332,
0.3605

79.8680, 0.4066,
0.4684

90.4845, 0.3179,
0.3370

78.6682, 0.4167,
0.4817

92.5223, 0.3068,
0.3202

■ 77.5986, 0.4240,
0.4907

■ 93.4318, 0.3067,
0.3216

■ 76.6418, 0.4287,
0.4952

■ 94.3486, 0.3067,
0.3231

■ 76.0616, 0.4305,
0.4963

■ 95.2726, 0.3067,
0.3246

■ 96.2040, 0.3066,
0.3260

■ 97.1426, 0.3066,
0.3274

Harmonies

Analogous

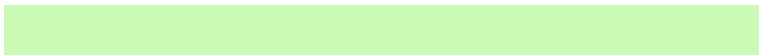
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3770, 0.3945, 0.3882



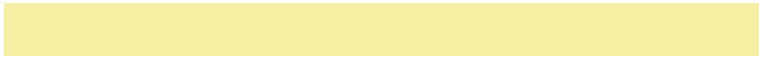
84.3770, 0.3648, 0.4081



84.3770, 0.3223, 0.4052

Triad

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



84.3770, 0.3648, 0.4081



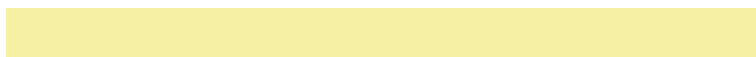
84.3770, 0.2312, 0.2923



84.3770, 0.3437, 0.2874

Complementary

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



84.3770, 0.3648, 0.4081



42.3723, 0.2531, 0.2353

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.



84.3770, 0.2980, 0.2650



84.3770, 0.3648, 0.4081



84.3770, 0.2358, 0.2657

Square

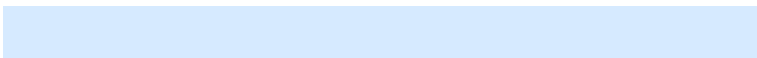
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3770, 0.3648, 0.4081



84.3770, 0.2464, 0.3331



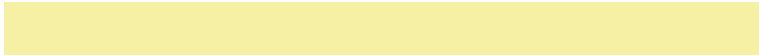
84.3770, 0.2593, 0.2569



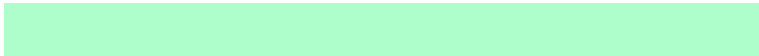
84.3770, 0.3828, 0.3195

Rectangle

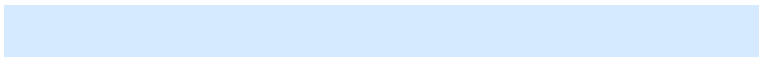
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.3770, 0.3648, 0.4081



84.3770, 0.2928, 0.3885



84.3770, 0.2593, 0.2569



84.3770, 0.3285, 0.2786

Sweetspot

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



84.3808, 0.3648, 0.4081



97.4801, 0.3278, 0.3523



48.4453, 0.3861, 0.3232



20.7927, 0.3300, 0.3556



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

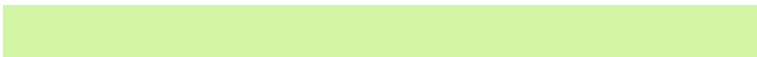
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.3808, 0.3648, 0.4081



91.1875, 0.3750, 0.4232



81.5673, 0.3383, 0.4201



19.1308, 0.3270, 0.3510



41.0534, 0.4304, 0.4965



3.6596, 0.4288, 0.4977

Inverse Universe

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



42.3723, 0.2531, 0.2353



38.8575, 0.2393, 0.2132



44.8590, 0.2788, 0.2360



16.0883, 0.2979, 0.3060



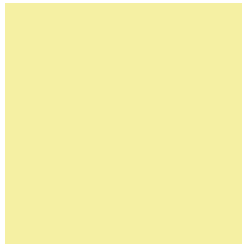
3.7982, 0.1511, 0.0637



0.3895, 0.1536, 0.0731

Previews

White Background



This preview shows how the Yxy color 84.3770, 0.3648, 0.4081 looks on a white background.

Color Contrast Check

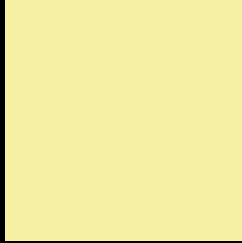
Large Text (above 18pt) WCAG AA × Fail

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 84.3770, 0.3648, 0.4081 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

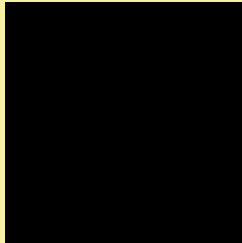
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.3770, 0.3648, 0.4081

Background



This preview shows how black text looks on a background with the Yxy color 84.3770, 0.3648, 0.4081.

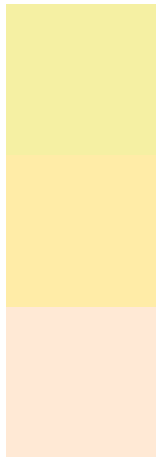


This preview shows how white text looks on a background with the Yxy color 84.3770, 0.3648, 0.4081.

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

84.3770, 0.3648, 0.4081

Protanopia

84.0409, 0.3708, 0.3985

Deuteranopia

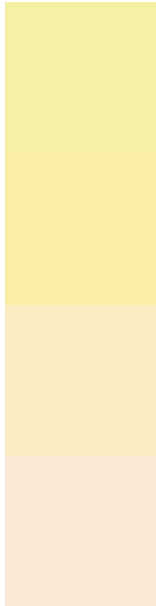
84.3419, 0.3410, 0.3491



Tritanopia

84.0140, 0.3190, 0.3115

Trichromacy



Original Color

84.3770, 0.3648, 0.4081

Protanomaly

83.8308, 0.3682, 0.4011

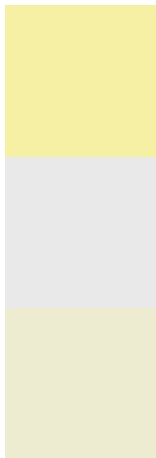
Deuteranomaly

84.4403, 0.3496, 0.3707

Tritanomaly

83.7449, 0.3362, 0.3462

Monochromacy



Original Color

84.3770, 0.3648, 0.4081

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.5495, 0.3311, 0.3582

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3770, 0.3648, 0.4081 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(245, 240, 163)` looks like.

```
.text, #text, p{  
    color:rgb(245, 240, 163)  
}
```

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(245, 240, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 240, 163) }
```

Border

The CSS property to change the border of an element to Yxy 84.3770, 0.3648, 0.4081 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(245, 240, 163) }
```

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

```
.border{ border-color:rgb(245, 240, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 240, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 240, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 240, 163);  
box-shadow:4px 4px 4px 4px rgb(245, 240,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3770, 0.3648, 0.4081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 240, 163) }
```

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

```
.background{ background-color: rgb(245,  
240, 163) }
```

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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