

Converting Colors

Yxy(84.4864, 0.3908, 0.4332)

Have a look what the booklet for
Yxy(84.4864, 0.3908, 0.4332)
contains.

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Color

Yxy(84.6865, 0.3904, 0.4331)

Conversions

Conversions Part 1

Format	Color
Hex	FFEF85
RGB	255, 239, 133
RGB Percent	100%, 94%, 52%
CMY	0.0000, 0.0627, 0.4784
CMYK	0.00, 0.06, 0.48, 0.00
HSL	52°, 100%, 76%
HSV	52°, 48%, 100%
XYZ	76.3371, 84.6865, 34.5120
YIQ	231.7000, 43.5620, -29.5740

Conversions

Conversions Part 2

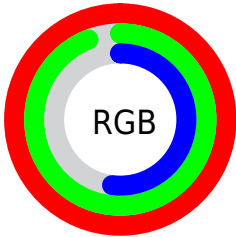
Format	Color
R _Y B	151, 255, 133
Decimal	16772997
CIE Lab	93.75, -8.28, 52.86
CIE LCh	94, 53.501, 98.907
Yxy	84.6865, 0.3904, 0.4331
Android (android.graphics.Color)	4294963077 (0xFFFEF85)
YUV	231.7000, -48.6591, 20.4341
Hunter-Lab	92.0253, -12.9743, 42.1823

Details

The Yxy color **84.6865, 0.3904, 0.4331** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.6942, 0.2246, 0.1968**, and the grayscale version is **80.8077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4108, 0.3526, 0.3949**, and **46.1819, 0.4047, 0.4543** is the 20% darker color. If you saturate the color by 10%, you get **82.1313, 0.4057, 0.4514**, and if you desaturate by 10%, it is **87.4568, 0.3740, 0.4125**.

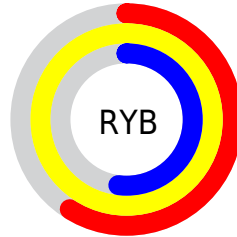
Distribution



Red (100%)

Green (94%)

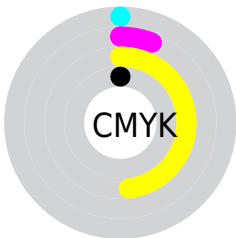
Blue (52%)



Red (59%)

Yellow (100%)

Blue (52%)

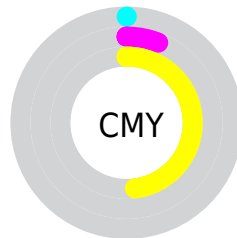


Cyan (0%)

Magenta (6%)

Yellow (48%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6865, 0.3904, 0.4331 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 84.6865, 0.3904, 0.4331 by changing the saturation by 10% instead.


 84.6865, 0.3904,
0.4331


 84.6865, 0.3904,
0.4331

510.5901, 0.3573,
0.3870


 63.5824, 0.3970,
0.4428


 139.9351, 0.3797,
0.4177

 46.3125, 0.4046,
0.4542

 174.8483, 0.3753,
0.4116

 32.4925, 0.4133,
0.4679

 215.1334, 0.3714,
0.4062

 21.7380, 0.4231,
0.4841

261.1747, 0.3679,
0.4014

 13.6645, 0.4336,
0.5032

313.3567, 0.3649,
0.3972

 7.8877, 0.4464,
0.5286

372.0636, 0.3621,

 4.0232, 0.4503,

0.3934

0.5497

437.6800, 0.3596,
0.3901

■ 1.6865, 0.4375,
0.5625

■ 0.4149, 0.3165,
0.6835

■ 84.6865, 0.3904,
0.4331

■ 84.6865, 0.3904,
0.4331

■ 82.1313, 0.4057,
0.4514

■ 87.4568, 0.3740,
0.4125

■ 79.7665, 0.4192,
0.4663

■ 90.4418, 0.3572,
0.3905

■ 77.5817, 0.4302,
0.4770

■ 93.6561, 0.3406,
0.3680

■ 75.5596, 0.4385,
0.4831

■ 97.1095, 0.3246,
0.3458

■ 73.6775, 0.4440,
0.4848

99.9979, 0.3127,
0.3290

■ 73.2825, 0.4450,
0.4849

Harmonies

Analogous

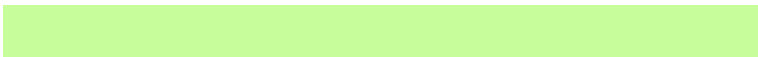
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6865, 0.4275, 0.3991



84.6865, 0.3904, 0.4331



84.6865, 0.3344, 0.4389

Triad

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



84.6865, 0.3904, 0.4331



84.6865, 0.2060, 0.2858



84.6865, 0.3433, 0.2674

Complementary

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



84.6865, 0.3904, 0.4331



33.6942, 0.2246, 0.1968

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.



84.6865, 0.2817, 0.2413



84.6865, 0.3904, 0.4331



84.6865, 0.2078, 0.2477

Square

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



84.6865, 0.3904, 0.4331



84.6865, 0.2294, 0.3443



84.6865, 0.2339, 0.2336



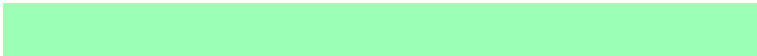
84.6865, 0.4009, 0.3069

Rectangle

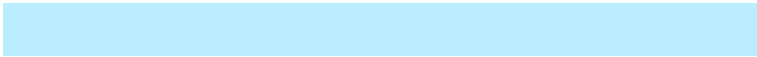
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6865, 0.3904, 0.4331



84.6865, 0.2944, 0.4205



84.6865, 0.2339, 0.2336



84.6865, 0.3222, 0.2569

Sweetspot

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



84.6904, 0.3904, 0.4331



94.9629, 0.3344, 0.3594



40.2115, 0.4279, 0.3125



20.1690, 0.3379, 0.3642



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.



84.6904, 0.3904, 0.4331



82.3467, 0.4045, 0.4500



86.9463, 0.3525, 0.4599



20.6608, 0.3272, 0.3495



38.4536, 0.4445, 0.4853



3.8521, 0.4412, 0.4879

Inverse Universe

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



33.6942, 0.2246, 0.1968



26.1312, 0.2063, 0.1672



33.4274, 0.2529, 0.1890



17.7611, 0.2979, 0.3077



4.4701, 0.1527, 0.0698



0.5486, 0.1571, 0.0854

Previews

White Background



This preview shows how the Yxy color 84.6865, 0.3904, 0.4331 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 84.6865, 0.3904, 0.4331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

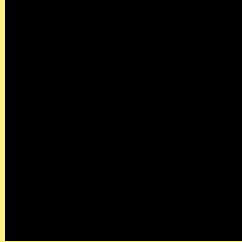
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.6865, 0.3904, 0.4331

Background



This preview shows how black text looks on a background with the Yxy color 84.6865, 0.3904, 0.4331.



This preview shows how white text looks on a background with the Yxy color 84.6865, 0.3904, 0.4331.

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

84.6865, 0.3904, 0.4331

Protanopia

84.5450, 0.3718, 0.4014

Deuteranopia

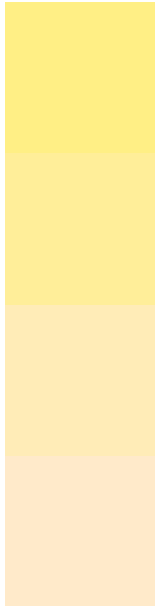
84.8088, 0.3422, 0.3521



Tritanopia

84.7627, 0.3227, 0.3192

Trichromacy



Original Color

84.6865, 0.3904, 0.4331

Protanomaly

84.7090, 0.3790, 0.4139

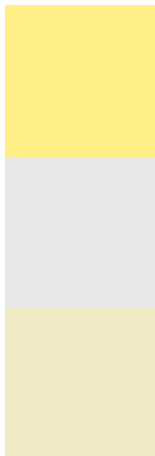
Deuteranomaly

84.6698, 0.3604, 0.3824

Tritanomaly

84.3699, 0.3482, 0.3612

Monochromacy



Original Color

84.6865, 0.3904, 0.4331

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.9274, 0.3412, 0.3697

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6865, 0.3904, 0.4331 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(255, 239, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 133)  
}
```

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(255, 239, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 133) }
```

Border

The CSS property to change the border of an element to Yxy 84.6865, 0.3904, 0.4331 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(255, 239, 133) }
```

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

```
.border{ border-color:rgb(255, 239, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6865, 0.3904, 0.4331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 133) }
```

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

```
.background{ background-color: rgb(255,  
239, 133) }
```

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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