

Converting Colors

$Yxy(81.6536, 0.3741, 0.3978)$

Have a look what the booklet for
Yxy(81.6536, 0.3741, 0.3978)
contains.

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Color

Yxy(81.6536, 0.3741, 0.3978)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8A4
RGB	255, 232, 164
RGB Percent	100%, 91%, 64%
CMY	0.0001, 0.0901, 0.3570
CMYK	0.00, 0.09, 0.36, 0.00
HSL	45°, 100%, 82%
HSV	45°, 36%, 100%
XYZ	76.7889, 81.6536, 46.8205
YIQ	231.1250, 35.5360, -16.2720

Conversions

Conversions Part 2

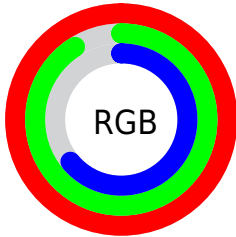
Format	Color
R _Y B	195, 255, 164
Decimal	16771236
CIE Lab	92.42, -1.65, 35.98
CIE LCh	92, 36.014, 92.630
Yxy	81.6536, 0.3741, 0.3978
Android (android.graphics.Color)	4294961316 (0xFFFFE8A4)
YUV	231.1250, -33.0926, 20.9384
Hunter-Lab	90.3624, -6.4470, 32.5331

Details

The Yxy color **81.6536, 0.3741, 0.3978** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **50.6193, 0.2513, 0.2489**, and the grayscale version is **80.2390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **44.4623, 0.3871, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **77.2708, 0.3932, 0.4165**, and if you desaturate by 10%, it is **86.3612, 0.3555, 0.3782**.

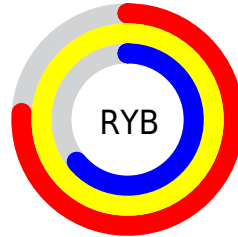
Distribution



Red (100%)

Green (91%)

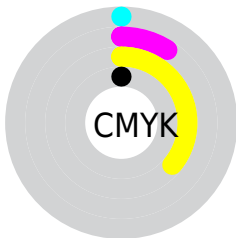
Blue (64%)



Red (76%)

Yellow (100%)

Blue (64%)

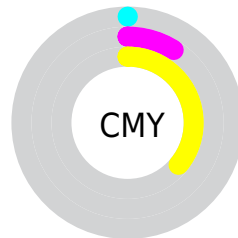


Cyan (0%)

Magenta (9%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.6536, 0.3741, 0.3978 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 81.6536, 0.3741, 0.3978 by changing the saturation by 10% instead.


 81.6536, 0.3741,
0.3978


 81.6536, 0.3741,
0.3978


500.4883, 0.3468,
0.3670

 61.0800, 0.3800,
0.4045


 135.6881, 0.3649,
0.3874

 44.2898, 0.3871,
0.4126

 169.9179, 0.3612,
0.3832

 30.8984, 0.3957,
0.4225


209.4685, 0.3580,
0.3796

 20.5215, 0.4063,
0.4348

254.7244, 0.3552,
0.3765

 12.7747, 0.4196,
0.4502

306.0699, 0.3527,
0.3737

 7.2736, 0.4360,
0.4698

363.8894, 0.3505,

 3.6338, 0.4672,

0.3712

0.5066

428.5674, 0.3485,
0.3690

■ 1.4709, 0.4771,
0.5229

■ 0.2681, 0.4444,
0.5556

■ 81.6536, 0.3741,
0.3978

■ 81.6536, 0.3741,
0.3978

■ 77.2708, 0.3932,
0.4165

■ 86.3612, 0.3555,
0.3782

■ 73.1889, 0.4121,
0.4335

■ 91.3938, 0.3379,
0.3586

■ 69.3981, 0.4300,
0.4475

■ 96.7660, 0.3214,
0.3395

■ 65.8830, 0.4461,
0.4575

99.9956, 0.3127,
0.3290

■ 62.6258, 0.4595,
0.4628

■ 59.6050, 0.4698,
0.4632

■ 58.3636, 0.4735,
0.4622

Harmonies

Analogous

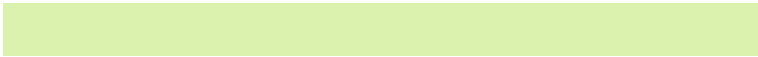
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6536, 0.3944, 0.3738



81.6536, 0.3741, 0.3978



81.6536, 0.3378, 0.4037

Triad

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



81.6536, 0.3741, 0.3978



81.6536, 0.2397, 0.3085



81.6536, 0.3253, 0.2806

Complementary

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



81.6536, 0.3741, 0.3978



50.6193, 0.2513, 0.2489

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.



81.6536, 0.2839, 0.2643



81.6536, 0.3741, 0.3978



81.6536, 0.2368, 0.2776

Square

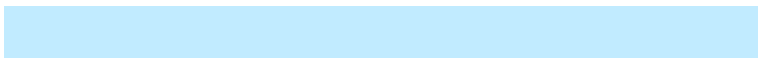
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6536, 0.3741, 0.3978



81.6536, 0.2608, 0.3490



81.6536, 0.2523, 0.2627



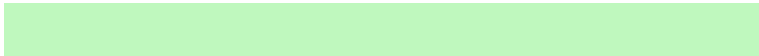
81.6536, 0.3656, 0.3079

Rectangle

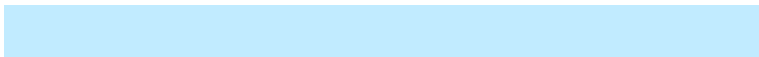
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6536, 0.3741, 0.3978



81.6536, 0.3100, 0.3943



81.6536, 0.2523, 0.2627



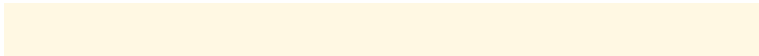
81.6536, 0.3110, 0.2737

Sweetspot

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



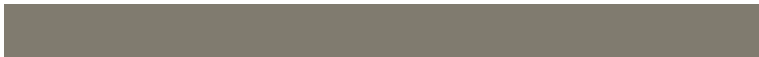
81.6574, 0.3741, 0.3978



93.8908, 0.3300, 0.3495



51.4372, 0.3756, 0.3038



19.9416, 0.3322, 0.3521



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

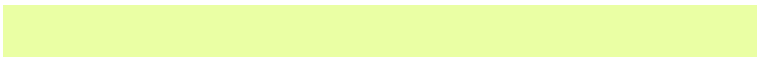
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6574, 0.3741, 0.3978



78.4372, 0.3880, 0.4116



91.6333, 0.3521, 0.4228



20.2690, 0.3275, 0.3467



30.7533, 0.4724, 0.4631



3.1683, 0.4650, 0.4690

Inverse Universe

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



50.6193, 0.2513, 0.2489



43.1642, 0.2373, 0.2290



44.0988, 0.2623, 0.2251



18.1223, 0.2979, 0.3107



5.9071, 0.1580, 0.0889



0.7404, 0.1638, 0.1098

Previews

White Background



This preview shows how the Yxy color 81.6536, 0.3741, 0.3978 looks on a white background.

Color Contrast Check

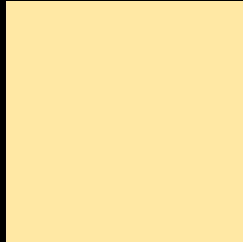
Large Text (above 18pt) WCAG AA × Fail

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 81.6536, 0.3741, 0.3978 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 81.6536, 0.3741, 0.3978

Background



This preview shows how black text looks on a background with the Yxy color 81.6536, 0.3741, 0.3978.



This preview shows how white text looks on a background with the Yxy color 81.6536, 0.3741, 0.3978.

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

81.6536, 0.3741, 0.3978

Protanopia

81.6536, 0.3715, 0.3993

Deuteranopia

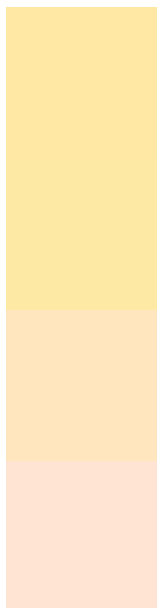
81.7064, 0.3471, 0.3533



Tritanopia

81.8258, 0.3251, 0.3172

Trichromacy



Original Color

81.6536, 0.3741, 0.3978

Protanomaly

81.8408, 0.3723, 0.3991

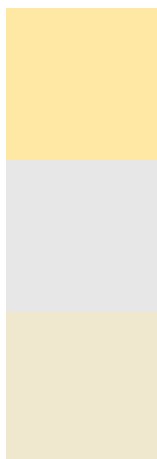
Deuteranomaly

81.5713, 0.3572, 0.3696

Tritanomaly

81.4500, 0.3432, 0.3462

Monochromacy



Original Color

81.6536, 0.3741, 0.3978

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1821, 0.3346, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.6536, 0.3741, 0.3978 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, 232, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 164)  
}
```

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, 232, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 164) }
```

Border

The CSS property to change the border of an element to Yxy 81.6536, 0.3741, 0.3978 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, 232, 164) }
```

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

```
.border{ border-color:rgb(255, 232, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 81.6536, 0.3741, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 164) }
```

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

```
.background{ background-color: rgb(255,  
232, 164) }
```

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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