

Converting Colors

$Y_{xy}(133.7904, 0.4898, 0.3673)$

Have a look what the booklet for
Yxy(133.7904, 0.4898, 0.3673)
contains.

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Color

Yxy(81.1284, 0.3738, 0.3958)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7A5
RGB	255, 231, 165
RGB Percent	100%, 91%, 65%
CMY	0.0000, 0.0941, 0.3529
CMYK	0.00, 0.09, 0.35, 0.00
HSL	44°, 100%, 82%
HSV	44°, 35%, 100%
XYZ	76.6190, 81.1284, 47.2258
YIQ	230.6520, 35.4900, -15.4380

Conversions

Conversions Part 2

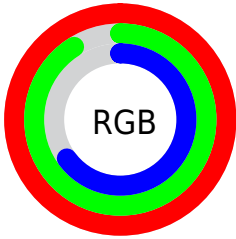
Format	Color
R _Y B	198, 255, 165
Decimal	16770981
CIE Lab	92.19, -0.99, 35.14
CIE LCh	92, 35.154, 91.617
Yxy	81.1284, 0.3738, 0.3958
Android (android.graphics.Color)	4294961061 (0xFFFFE7A5)
YUV	230.6520, -32.3664, 21.3532
Hunter-Lab	90.0713, -5.7841, 31.9632

Details

The Yxy color **81.1284, 0.3738, 0.3958** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **51.6273, 0.2523, 0.2515**, and the grayscale version is **79.8614, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0005, 0.3327, 0.3621**, and **44.0908, 0.3868, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **76.5522, 0.3932, 0.4143**, and if you desaturate by 10%, it is **86.0307, 0.3550, 0.3765**.

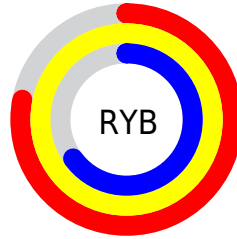
Distribution



Red (100%)

Green (91%)

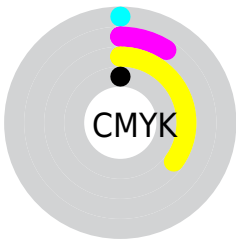
Blue (65%)



Red (78%)

Yellow (100%)

Blue (65%)

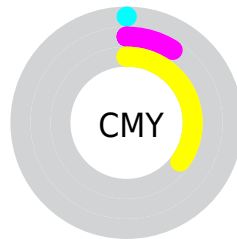


Cyan (0%)

Magenta (9%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.1284, 0.3738, 0.3958 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 81.1284, 0.3738, 0.3958 by changing the saturation by 10% instead.


 81.1284, 0.3738,
0.3958


 81.1284, 0.3738,
0.3958

498.7275, 0.3465,
0.3658

 60.6474, 0.3797,
0.4023


 134.9510, 0.3646,
0.3856

 43.9406, 0.3868,
0.4102


 169.0614, 0.3609,
0.3816

 30.6238, 0.3955,
0.4198


208.4837, 0.3577,
0.3781

 20.3126, 0.4062,
0.4318

253.6023, 0.3549,
0.3751

 12.6225, 0.4197,
0.4468

304.8016, 0.3525,
0.3724

 7.1691, 0.4366,
0.4660

362.4660, 0.3503,

 3.5681, 0.4680,

0.3699

0.5014

426.9798, 0.3483,
0.3678

■ 1.4350, 0.4812,
0.5188

■ 0.2423, 0.4596,
0.5404

■ 81.1284, 0.3738,
0.3958

■ 81.1284, 0.3738,
0.3958

■ 76.5522, 0.3932,
0.4143

■ 86.0307, 0.3550,
0.3765

■ 72.3000, 0.4125,
0.4311

■ 91.2815, 0.3372,
0.3573

■ 68.3543, 0.4310,
0.4450

■ 96.8882, 0.3208,
0.3385

■ 64.6996, 0.4478,
0.4549

100.0000, 0.3127,
0.3290

■ 61.3180, 0.4619,
0.4602

■ 58.1879, 0.4729,
0.4604

■ 56.7859, 0.4772,
0.4593

Harmonies

Analogous

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



81.1284, 0.3929, 0.3720



81.1284, 0.3738, 0.3958



81.1284, 0.3387, 0.4022

Triad

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



81.1284, 0.3738, 0.3958



81.1284, 0.2416, 0.3102



81.1284, 0.3236, 0.2808

Complementary

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



81.1284, 0.3738, 0.3958



51.6273, 0.2523, 0.2515

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.



81.1284, 0.2832, 0.2653



81.1284, 0.3738, 0.3958



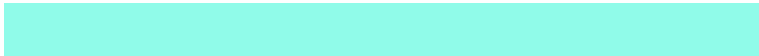
81.1284, 0.2382, 0.2796

Square

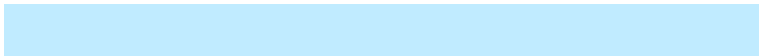
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1284, 0.3738, 0.3958



81.1284, 0.2629, 0.3499



81.1284, 0.2528, 0.2643



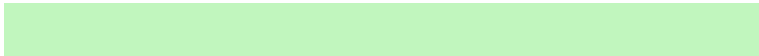
81.1284, 0.3633, 0.3074

Rectangle

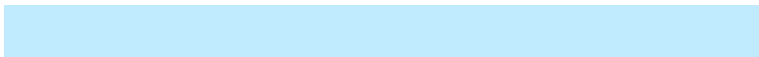
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1284, 0.3738, 0.3958



81.1284, 0.3115, 0.3935



81.1284, 0.2528, 0.2643



81.1284, 0.3096, 0.2742

Sweetspot

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



81.1249, 0.3738, 0.3958



93.6410, 0.3300, 0.3491



51.9169, 0.3732, 0.3025



19.8818, 0.3323, 0.3517



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

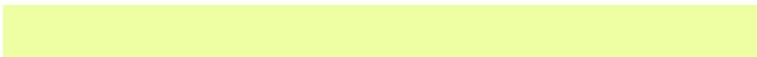
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.1249, 0.3738, 0.3958



78.0193, 0.3868, 0.4084



91.9853, 0.3527, 0.4214



20.2225, 0.3276, 0.3463



29.9305, 0.4760, 0.4602



3.0940, 0.4681, 0.4665

Inverse Universe

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



51.6273, 0.2523, 0.2515



44.7437, 0.2396, 0.2337



44.3906, 0.2619, 0.2262



18.1659, 0.2979, 0.3110



6.1425, 0.1589, 0.0919



0.7685, 0.1648, 0.1132

Previews

White Background



This preview shows how the Yxy color 81.1284, 0.3738, 0.3958 looks on a white background.

Color Contrast Check

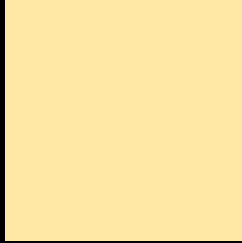
Large Text (above 18pt) WCAG AA × Fail

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 81.1284, 0.3738, 0.3958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

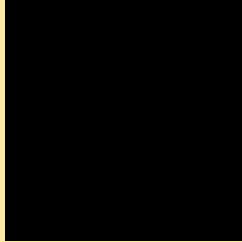
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.1284, 0.3738, 0.3958

Background



This preview shows how black text looks on a background with the Yxy color 81.1284, 0.3738, 0.3958.



This preview shows how white text looks on a background with the Yxy color 81.1284, 0.3738, 0.3958.

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

81.1284, 0.3738, 0.3958

Protanopia

80.9756, 0.3698, 0.3965

Deuteranopia

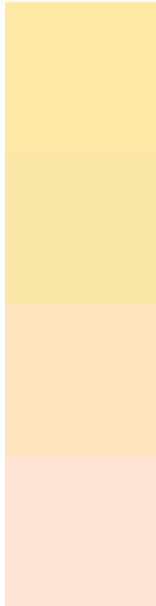
81.1064, 0.3480, 0.3533



Tritanopia

81.2249, 0.3259, 0.3172

Trichromacy



Original Color

81.1284, 0.3738, 0.3958

Protanomaly

81.1618, 0.3705, 0.3963

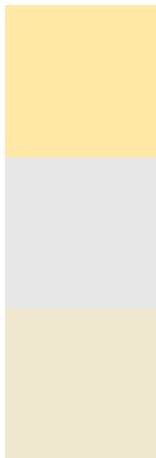
Deuteranomaly

81.0163, 0.3574, 0.3686

Tritanomaly

80.9013, 0.3433, 0.3452

Monochromacy



Original Color

81.1284, 0.3738, 0.3958

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 81.1284, 0.3738, 0.3958 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, 231, 165)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 165)  
}
```

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, 231, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 165) }
```

Border

The CSS property to change the border of an element to Yxy 81.1284, 0.3738, 0.3958 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, 231, 165) }
```

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

```
.border{ border-color:rgb(255, 231, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 165);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 81.1284, 0.3738, 0.3958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 165) }
```

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

```
.background{ background-color: rgb(255,  
231, 165) }
```

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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