

Converting Colors

$Y_{xy}(100.0000, 0.4320, 0.3849)$

Have a look what the booklet for
Yxy(100.0000, 0.4320, 0.3849)
contains.

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Color

Yxy(81.5819, 0.3754, 0.3997)

Conversions

Conversions Part 1

Format	Color
Hex	FFE8A2
RGB	255, 232, 162
RGB Percent	100%, 91%, 64%
CMY	0.0000, 0.0902, 0.3646
CMYK	0.00, 0.09, 0.36, 0.00
HSL	45°, 100%, 82%
HSV	45°, 36%, 100%
XYZ	76.6221, 81.5819, 45.9039
YIQ	230.8970, 36.1780, -16.8940

Conversions

Conversions Part 2

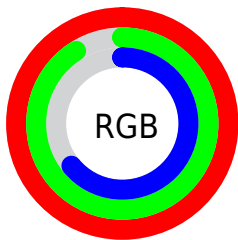
Format	Color
R_{YB}	193, 255, 162
Decimal	16771234
CIE _{Lab}	92.39, -1.85, 36.91
CIE _{LCh}	92, 36.960, 92.874
Yxy	81.5819, 0.3754, 0.3997
Android (android.graphics.Color)	4294961314 (0xFFFFE8A2)
YUV	230.8970, -33.9662, 21.1383
Hunter-Lab	90.3227, -6.6405, 33.0935

Details

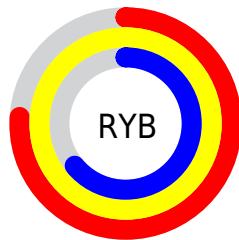
The Yxy color **81.5819, 0.3754, 0.3997** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.6140, 0.2497, 0.2463**, and the grayscale version is **80.0707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **44.4187, 0.3887, 0.4160** is the 20% darker color. If you saturate the color by 10%, you get **77.2795, 0.3944, 0.4184**, and if you desaturate by 10%, it is **86.2005, 0.3568, 0.3800**.

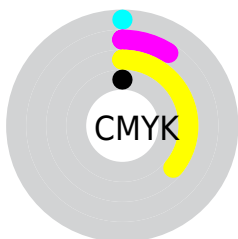
Distribution



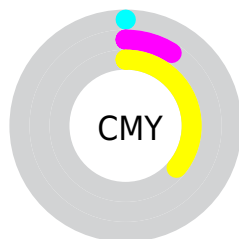
- Red (100%)
- Green (91%)
- Blue (64%)



- 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 81.5819, 0.3754, 0.3997 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 81.5819, 0.3754, 0.3997 by changing the saturation by 10% instead.


 81.5819, 0.3754,
0.3997


 81.5819, 0.3754,
0.3997


500.2481, 0.3475,
0.3680

 61.0210, 0.3814,
0.4066


 135.5875, 0.3660,
0.3890

 44.2421, 0.3886,
0.4149


 169.8010, 0.3623,
0.3847

 30.8609, 0.3973,
0.4250


209.3341, 0.3590,
0.3810

 20.4929, 0.4081,
0.4375

254.5713, 0.3562,
0.3778

 12.7539, 0.4214,
0.4533

305.8969, 0.3536,
0.3749

 7.2593, 0.4377,
0.4730

363.6953, 0.3514,

 3.6248, 0.4709,

0.3724

0.5124

428.3509, 0.3493,
0.3701

■ 1.4660, 0.4759,
0.5241

■ 0.2646, 0.4380,
0.5620

■ 81.5819, 0.3754,
0.3997

■ 81.5819, 0.3754,
0.3997

■ 77.2795, 0.3944,
0.4184

■ 86.2005, 0.3568,
0.3800

■ 73.2735, 0.4131,
0.4353

■ 91.1396, 0.3391,
0.3603

■ 69.5526, 0.4307,
0.4491

■ 96.4123, 0.3226,
0.3410

■ 66.1015, 0.4464,
0.4588

100.0000, 0.3127,
0.3290

■ 62.9022, 0.4594,
0.4638

■ 59.9327, 0.4692,
0.4639

■ 58.9250, 0.4722,
0.4632

Harmonies

Analogous

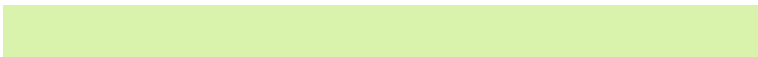
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5819, 0.3965, 0.3751



81.5819, 0.3754, 0.3997



81.5819, 0.3381, 0.4057

Triad

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



81.5819, 0.3754, 0.3997



81.5819, 0.2378, 0.3075



81.5819, 0.3259, 0.2796

Complementary

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



81.5819, 0.3754, 0.3997



49.6140, 0.2497, 0.2463

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.



81.5819, 0.2834, 0.2628



81.5819, 0.3754, 0.3997



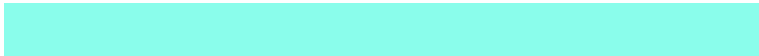
81.5819, 0.2350, 0.2761

Square

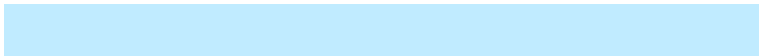
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5819, 0.3754, 0.3997



81.5819, 0.2593, 0.3492



81.5819, 0.2510, 0.2610



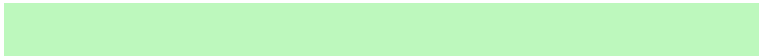
81.5819, 0.3673, 0.3076

Rectangle

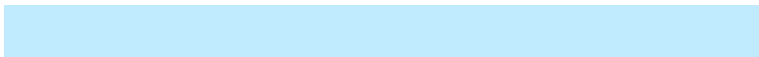
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5819, 0.3754, 0.3997



81.5819, 0.3096, 0.3960



81.5819, 0.2510, 0.2610



81.5819, 0.3112, 0.2725

Sweetspot

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



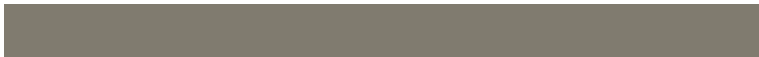
81.5843, 0.3754, 0.3997



93.9759, 0.3300, 0.3497



50.6256, 0.3790, 0.3048



19.9619, 0.3322, 0.3523



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

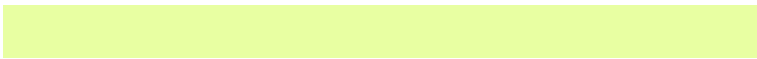
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5843, 0.3754, 0.3997



78.3098, 0.3897, 0.4140



91.2450, 0.3518, 0.4253



20.2848, 0.3275, 0.3468



31.0376, 0.4712, 0.4641



3.1939, 0.4640, 0.4698

Inverse Universe

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



49.6140, 0.2497, 0.2463



41.9995, 0.2353, 0.2255



43.4195, 0.2621, 0.2229



18.1075, 0.2979, 0.3106



5.8304, 0.1578, 0.0879



0.7311, 0.1635, 0.1087

Previews

White Background



This preview shows how the Yxy color 81.5819, 0.3754, 0.3997 looks on a white background.

Color Contrast Check

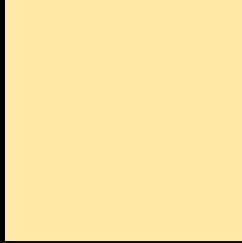
Large Text (above 18pt) WCAG AA × Fail

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 81.5819, 0.3754, 0.3997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

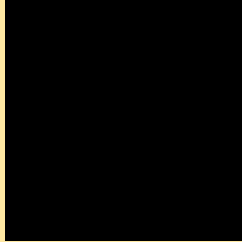
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.5819, 0.3754, 0.3997

Background



This preview shows how black text looks on a background with the Yxy color 81.5819, 0.3754, 0.3997.

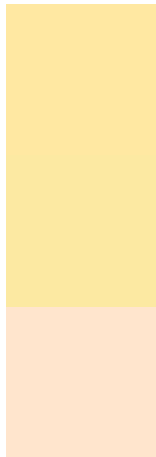


This preview shows how white text looks on a background with the Yxy color 81.5819, 0.3754, 0.3997.

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

81.5819, 0.3754, 0.3997

Protanopia

81.5819, 0.3728, 0.4012

Deuteranopia

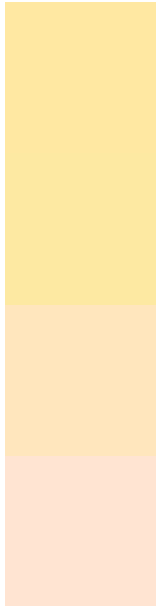
81.7064, 0.3471, 0.3533



Tritanopia

81.8258, 0.3251, 0.3172

Trichromacy



Original Color

81.5819, 0.3754, 0.3997

Protanomaly

81.7691, 0.3736, 0.4010

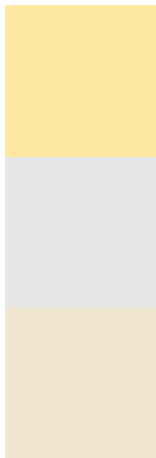
Deuteranomaly

81.5278, 0.3579, 0.3706

Tritanomaly

81.3999, 0.3439, 0.3472

Monochromacy



Original Color

81.5819, 0.3754, 0.3997

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1333, 0.3352, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5819, 0.3754, 0.3997 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, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 162)  
}
```

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, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 162) }
```

Border

The CSS property to change the border of an element to Yxy 81.5819, 0.3754, 0.3997 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, 162) }
```

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

```
.border{ border-color:rgb(255, 232, 162) }
```

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, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5819, 0.3754, 0.3997 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, 162) }
```

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

```
.background{ background-color: rgb(255,  
232, 162) }
```

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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