

Converting Colors

$Y_{xy}(85.2715, 0.4003, 0.3887)$

Have a look what the booklet for
Yxy(85.2715, 0.4003, 0.3887)
contains.

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Color

Yxy(78.8425, 0.3765, 0.3941)

Conversions

Conversions Part 1

Format	Color
Hex	FFE3A3
RGB	255, 227, 163
RGB Percent	100%, 89%, 64%
CMY	0.0000, 0.1098, 0.3608
CMYK	0.00, 0.11, 0.36, 0.00
HSL	42°, 100%, 82%
HSV	42°, 36%, 100%
XYZ	75.3215, 78.8425, 45.8931
YIQ	228.0760, 37.2320, -13.9680

Conversions

Conversions Part 2

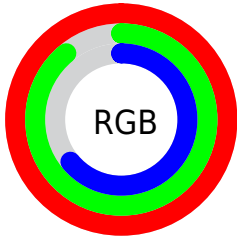
Format	Color
R_{YB}	203, 255, 163
Decimal	16769955
CIE _{Lab}	91.16, 0.79, 34.81
CIE _{LCh}	91, 34.818, 88.704
Yxy	78.8425, 0.3765, 0.3941
Android (android.graphics.Color)	4294960035 (0xFFFFE3A3)
YUV	228.0760, -32.0825, 23.6123
Hunter-Lab	88.7933, -3.9705, 31.5111

Details

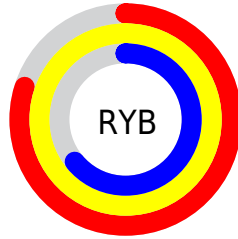
The Yxy color **78.8425, 0.3765, 0.3941** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.2612, 0.2514, 0.2537**, and the grayscale version is **77.8606, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **42.5231, 0.3898, 0.4078** is the 20% darker color. If you saturate the color by 10%, you get **73.8714, 0.3968, 0.4117**, and if you desaturate by 10%, it is **84.1931, 0.3570, 0.3757**.

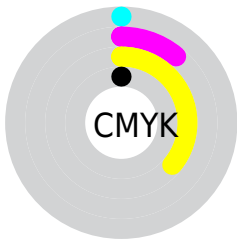
Distribution



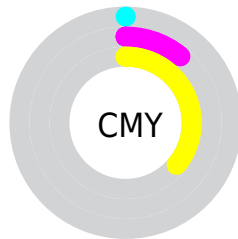
- Red (100%)
- Green (89%)
- Blue (64%)



- Red (80%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (11%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.8425, 0.3765, 0.3941 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 78.8425, 0.3765, 0.3941 by changing the saturation by 10% instead.


 78.8425, 0.3765,
0.3941

 78.8425, 0.3765,
0.3941


491.0234, 0.3478,
0.3649

 58.7663, 0.3828,
0.4004


 131.7371, 0.3668,
0.3842

 42.4250, 0.3903,
0.4081

 165.3243, 0.3629,
0.3803

 29.4343, 0.3996,
0.4174


204.1840, 0.3595,
0.3769

 19.4096, 0.4111,
0.4290

248.7006, 0.3566,
0.3739

 11.9666, 0.4257,
0.4436

299.2584, 0.3540,
0.3712

 6.7209, 0.4441,
0.4618

356.2419, 0.3517,

 3.2882, 0.4822,

0.3689

0.4999

420.0354, 0.3496,
0.3668

■ 1.2840, 0.4923,
0.5077

■ 0.1287, 0.5238,
0.4762

■ 78.8425, 0.3765,
0.3941

■ 78.8425, 0.3765,
0.3941

■ 73.8714, 0.3968,
0.4117

■ 84.1931, 0.3570,
0.3757

■ 69.2602, 0.4172,
0.4276

■ 89.9300, 0.3388,
0.3573

■ 64.9961, 0.4370,
0.4406

■ 96.0670, 0.3221,
0.3394

■ 61.0625, 0.4551,
0.4496

100.0000, 0.3127,
0.3290

■ 57.4404, 0.4706,
0.4537

■ 54.1067, 0.4829,
0.4528

■ 52.8669, 0.4871,
0.4514

Harmonies

Analogous

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



78.8425, 0.3936, 0.3691



78.8425, 0.3765, 0.3941



78.8425, 0.3425, 0.4025

Triad

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



78.8425, 0.3765, 0.3941



78.8425, 0.2430, 0.3139



78.8425, 0.3195, 0.2788

Complementary

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



78.8425, 0.3765, 0.3941



52.2612, 0.2514, 0.2537

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.



78.8425, 0.2797, 0.2645



78.8425, 0.3765, 0.3941



78.8425, 0.2377, 0.2819

Square

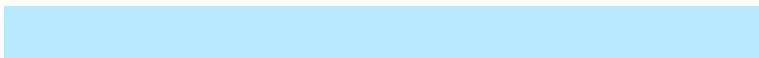
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8425, 0.3765, 0.3941



78.8425, 0.2658, 0.3538



78.8425, 0.2506, 0.2650



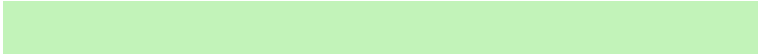
78.8425, 0.3598, 0.3044

Rectangle

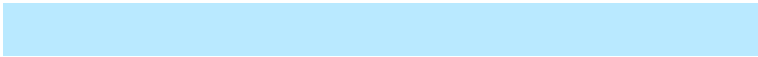
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8425, 0.3765, 0.3941



78.8425, 0.3155, 0.3954



78.8425, 0.2506, 0.2650



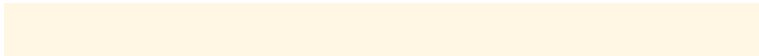
78.8425, 0.3056, 0.2726

Sweetspot

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



78.8445, 0.3765, 0.3941



92.9982, 0.3302, 0.3481



51.2624, 0.3722, 0.2987



19.7281, 0.3324, 0.3506



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

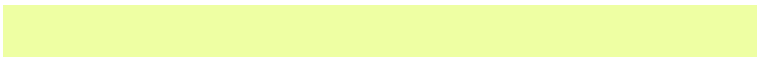
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8445, 0.3765, 0.3941



75.3649, 0.3905, 0.4064



92.3639, 0.3556, 0.4229



20.1029, 0.3277, 0.3455



27.8998, 0.4857, 0.4525



2.9094, 0.4763, 0.4600

Inverse Universe

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



52.2612, 0.2514, 0.2537



45.3970, 0.2386, 0.2362



43.0974, 0.2583, 0.2229



18.2789, 0.2979, 0.3120



6.8181, 0.1612, 0.1003



0.8466, 0.1673, 0.1223

Previews

White Background



This preview shows how the Yxy color 78.8425, 0.3765, 0.3941 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 78.8425, 0.3765, 0.3941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

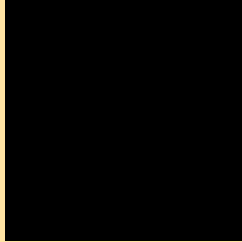
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.8425, 0.3765, 0.3941

Background



This preview shows how black text looks on a background with the Yxy color 78.8425, 0.3765, 0.3941.



This preview shows how white text looks on a background with the Yxy color 78.8425, 0.3765, 0.3941.

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

78.8425, 0.3765, 0.3941

Protanopia

79.0481, 0.3688, 0.3974

Deuteranopia

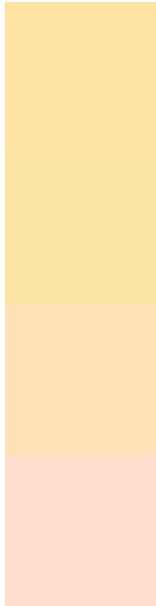
78.5568, 0.3544, 0.3576



Tritanopia

78.8561, 0.3290, 0.3171

Trichromacy



Original Color

78.8425, 0.3765, 0.3941

Protanomaly

79.0430, 0.3714, 0.3959

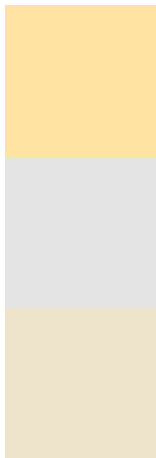
Deuteranomaly

78.5711, 0.3626, 0.3709

Tritanomaly

78.5894, 0.3461, 0.3443

Monochromacy



Original Color

78.8425, 0.3765, 0.3941

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.0236, 0.3356, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8425, 0.3765, 0.3941 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, 227, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 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(255, 227, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 163) }
```

Border

The CSS property to change the border of an element to Yxy 78.8425, 0.3765, 0.3941 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, 227, 163) }
```

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

```
.border{ border-color:rgb(255, 227, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8425, 0.3765, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 163) }
```

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

```
.background{ background-color: rgb(255,  
227, 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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