

Converting Colors

$Yxy(81.7175, 0.3768, 0.4095)$

Have a look what the booklet for
Yxy(81.7175, 0.3768, 0.4095)
contains.

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Color

Yxy(81.7214, 0.3762, 0.4093)

Conversions

Conversions Part 1

Format	Color
Hex	FBEA9B
RGB	251, 234, 155
RGB Percent	98%, 92%, 61%
CMY	0.0158, 0.0823, 0.3921
CMYK	0.00, 0.07, 0.38, 0.02
HSL	49°, 92%, 80%
HSV	49°, 38%, 98%
XYZ	75.1126, 81.7214, 42.8274
YIQ	230.0770, 35.4910, -20.9650

Conversions

Conversions Part 2

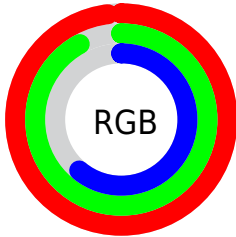
Format	Color
R _Y B	176, 251, 155
Decimal	16509595
CIE Lab	92.45, -5.20, 40.45
CIE LCh	92, 40.780, 97.319
Yxy	81.7214, 0.3762, 0.4093
Android (android.graphics.Color)	4294699675 (0xFFFBEA9B)
YUV	230.0770, -37.0130, 18.3495
Hunter-Lab	90.3999, -9.8855, 35.1910

Details

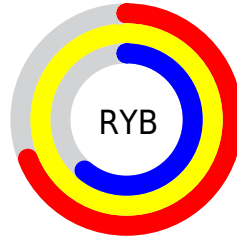
The Yxy color **81.7214, 0.3762, 0.4093** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.4173, 0.2451, 0.2331**, and the grayscale version is **79.4494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4331, 0.3394, 0.3731**, and **44.1575, 0.3890, 0.4256** is the 20% darker color. If you saturate the color by 10%, you get **78.4758, 0.3935, 0.4291**, and if you desaturate by 10%, it is **85.2128, 0.3587, 0.3883**.

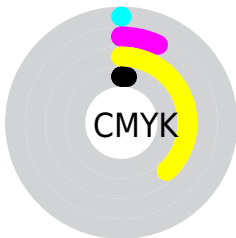
Distribution



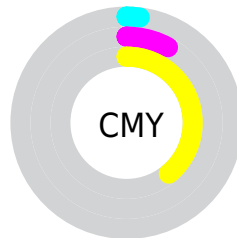
- Red (98%)
- Green (92%)
- Blue (61%)



- Red (69%)
- Yellow (98%)
- Blue (61%)



- Cyan (0%)
- Magenta (7%)
- Yellow (38%)
- Black (2%)




- Cyan (2%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7214, 0.3762, 0.4093 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 81.7214, 0.3762, 0.4093 by changing the saturation by 10% instead.


 81.7214, 0.3762,
0.4093

 81.7214, 0.3762,
0.4093


500.7153, 0.3483,
0.3732

 61.1359, 0.3821,
0.4172

 135.7832, 0.3669,
0.3971

 44.3349, 0.3891,
0.4266

 170.0284, 0.3631,
0.3922

 30.9339, 0.3975,
0.4381


209.5955, 0.3599,
0.3880

 20.5485, 0.4077,
0.4524

254.8691, 0.3570,
0.3843

 12.7944, 0.4199,
0.4703

306.2335, 0.3544,
0.3810

 7.2871, 0.4340,
0.4924

364.0730, 0.3521,

 3.6423, 0.4635,

0.3781

428.7722, 0.3501,
0.3755

0.5365

■ 1.4755, 0.4550,
0.5450

■ 0.2714, 0.3258,
0.6742

■ 81.7214, 0.3762,
0.4093

■ 81.7214, 0.3762,
0.4093

■ 78.4758, 0.3935,
0.4291

■ 85.2128, 0.3587,
0.3883

■ 75.4535, 0.4100,
0.4466

■ 88.9492, 0.3416,
0.3669

■ 72.6454, 0.4249,
0.4608

■ 92.9441, 0.3253,
0.3458

■ 70.0373, 0.4375,
0.4708

■ 97.1812, 0.3103,
0.3259

■ 67.6124, 0.4472,
0.4761

■ 99.2419, 0.3102,
0.3290

■ 65.3476, 0.4540,
0.4769

■ 64.9587, 0.4551,
0.4768

Harmonies

Analogous

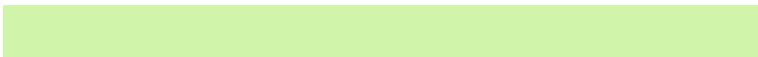
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7214, 0.4030, 0.3839



81.7214, 0.3762, 0.4093



81.7214, 0.3334, 0.4128

Triad

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



81.7214, 0.3762, 0.4093



81.7214, 0.2289, 0.2988



81.7214, 0.3343, 0.2788

Complementary

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



81.7214, 0.3762, 0.4093



43.4173, 0.2451, 0.2331

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.



81.7214, 0.2868, 0.2585



81.7214, 0.3762, 0.4093



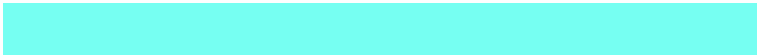
81.7214, 0.2290, 0.2670

Square

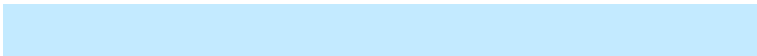
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7214, 0.3762, 0.4093



81.7214, 0.2493, 0.3440



81.7214, 0.2493, 0.2537



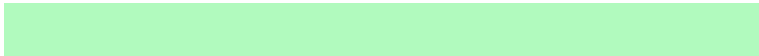
81.7214, 0.3787, 0.3106

Rectangle

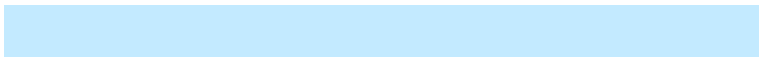
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7214, 0.3762, 0.4093



81.7214, 0.3020, 0.3994



81.7214, 0.2493, 0.2537



81.7214, 0.3181, 0.2706

Sweetspot

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



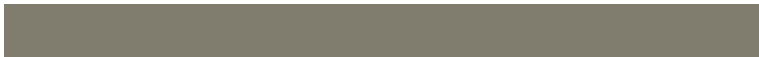
81.7252, 0.3762, 0.4093



95.2040, 0.3297, 0.3516



46.9486, 0.3901, 0.3104



20.2560, 0.3319, 0.3544



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

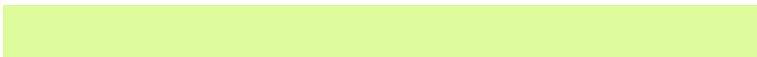
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7252, 0.3762, 0.4093



82.0970, 0.3898, 0.4249



86.6420, 0.3491, 0.4315



19.6387, 0.3273, 0.3484



34.3510, 0.4544, 0.4774



3.3136, 0.4495, 0.4813

Inverse Universe

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



43.4173, 0.2451, 0.2331



37.1917, 0.2296, 0.2094



40.7708, 0.2640, 0.2186



17.1384, 0.2979, 0.3088



4.7665, 0.1544, 0.0758



0.5740, 0.1597, 0.0950

Previews

White Background



This preview shows how the Yxy color 81.7214, 0.3762, 0.4093 looks on a white background.

Color Contrast Check

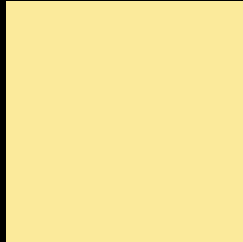
Large Text (above 18pt) WCAG AA × Fail

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 81.7214, 0.3762, 0.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

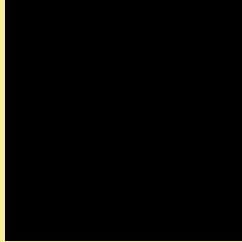
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7214, 0.3762, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 81.7214, 0.3762, 0.4093.



This preview shows how white text looks on a background with the Yxy color 81.7214, 0.3762, 0.4093.

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

81.7214, 0.3762, 0.4093

Protanopia

81.5270, 0.3781, 0.4079

Deuteranopia

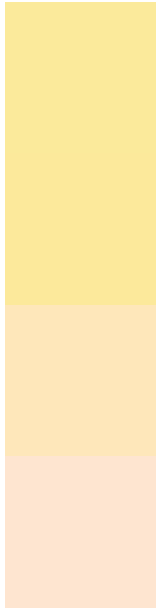
81.6583, 0.3478, 0.3543



Tritanopia

81.8847, 0.3245, 0.3162

Trichromacy



Original Color

81.7214, 0.3762, 0.4093

Protanomaly

81.3398, 0.3773, 0.4082

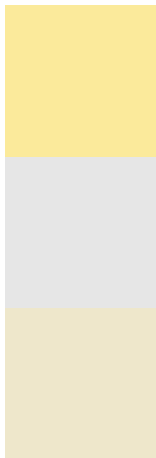
Deuteranomaly

81.7678, 0.3589, 0.3748

Tritanomaly

81.6635, 0.3443, 0.3503

Monochromacy



Original Color

81.7214, 0.3762, 0.4093

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.6408, 0.3358, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7214, 0.3762, 0.4093 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(251, 234, 155)` looks like.

```
.text, #text, p{  
    color:rgb(251, 234, 155)  
}
```

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(251, 234, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 234, 155) }
```

Border

The CSS property to change the border of an element to Yxy 81.7214, 0.3762, 0.4093 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(251, 234, 155) }
```

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

```
.border{ border-color:rgb(251, 234, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 234, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 234, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 234, 155);  
box-shadow:4px 4px 4px 4px rgb(251, 234,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7214, 0.3762, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 234, 155) }
```

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

```
.background{ background-color: rgb(251,  
234, 155) }
```

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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