

Converting Colors

$Y_{xy}(92.4107, 0.4002, 0.3744)$

Have a look what the booklet for
Yxy(92.4107, 0.4002, 0.3744)
contains.

Yxy(81.7071, 0.3637, 0.3807)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(81.7071, 0.3637, 0.3807)

Conversions

Conversions Part 1

Format	Color
Hex	FFE7B4
RGB	255, 231, 180
RGB Percent	100%, 91%, 71%
CMY	0.0000, 0.0941, 0.2940
CMYK	0.00, 0.09, 0.29, 0.00
HSL	41°, 100%, 85%
HSV	41°, 29%, 100%
XYZ	78.0585, 81.7071, 54.8577
YIQ	232.3620, 30.6750, -10.7730

Conversions

Conversions Part 2

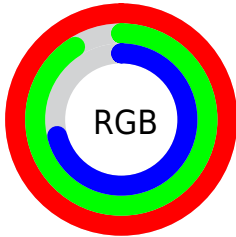
Format	Color
R _Y B	215, 255, 180
Decimal	16770996
CIE Lab	92.45, 0.80, 27.83
CIE LCh	92, 27.843, 88.358
Yxy	81.7071, 0.3637, 0.3807
Android (android.graphics.Color)	4294961076 (0xFFFFE7B4)
YUV	232.3620, -25.8145, 19.8535
Hunter-Lab	90.3920, -4.0413, 27.2921

Details

The Yxy color **81.7071, 0.3637, 0.3807** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.1324, 0.2637, 0.2712**, and the grayscale version is **81.1650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.8361, 0.3238, 0.3473**, and **44.4533, 0.3742, 0.3925** is the 20% darker color. If you saturate the color by 10%, you get **76.3002, 0.3838, 0.3986**, and if you desaturate by 10%, it is **87.5241, 0.3449, 0.3626**.

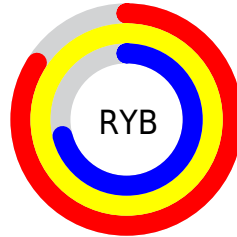
Distribution



Red (100%)

Green (91%)

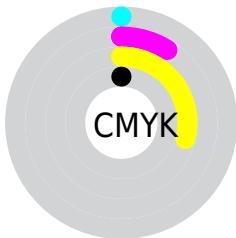
Blue (71%)



Red (84%)

Yellow (100%)

Blue (71%)

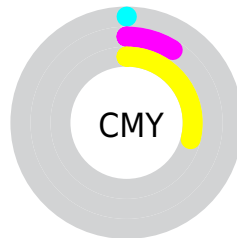


Cyan (0%)

Magenta (9%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.7071, 0.3637, 0.3807 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 81.7071, 0.3637, 0.3807 by changing the saturation by 10% instead.


 81.7071, 0.3637,
0.3807

 81.7071, 0.3637,
0.3807


500.6674, 0.3407,
0.3575

 61.1241, 0.3688,
0.3858


 135.7632, 0.3559,
0.3728

 44.3254, 0.3749,
0.3920


170.0051, 0.3528,
0.3697

 30.9264, 0.3825,
0.3996


209.5688, 0.3501,
0.3670

 20.5428, 0.3921,
0.4092

254.8386, 0.3478,
0.3646

 12.7902, 0.4045,
0.4215

306.1990, 0.3457,
0.3625

 7.2842, 0.4209,
0.4378

364.0343, 0.3439,

 3.6405, 0.4438,

0.3607

0.4602

428.7290, 0.3422,
0.3590

■ 1.4746, 0.4922,
0.5078

■ 0.2707, 0.5055,
0.4945

■ 81.7071, 0.3637,
0.3807

■ 81.7071, 0.3637,
0.3807

■ 76.3002, 0.3838,
0.3986

■ 87.5241, 0.3449,
0.3626

■ 71.2814, 0.4046,
0.4154

■ 93.7551, 0.3275,
0.3449

■ 66.6391, 0.4255,
0.4302

100.0000, 0.3127,
0.3290

■ 62.3577, 0.4454,
0.4417

■ 58.4192, 0.4635,
0.4488

■ 54.8032, 0.4787,
0.4510

■ 51.4798, 0.4907,
0.4482

■ 51.2863, 0.4914,
0.4480

Harmonies

Analogous

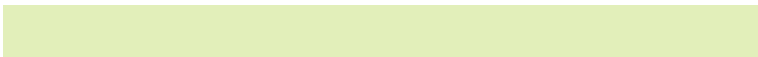
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7071, 0.3767, 0.3614



81.7071, 0.3637, 0.3807



81.7071, 0.3372, 0.3866

Triad

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



81.7071, 0.3637, 0.3807



81.7071, 0.2571, 0.3179



81.7071, 0.3180, 0.2884

Complementary

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



81.7071, 0.3637, 0.3807



60.1324, 0.2637, 0.2712

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.



81.7071, 0.2864, 0.2771



81.7071, 0.3637, 0.3807



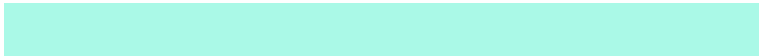
81.7071, 0.2525, 0.2922

Square

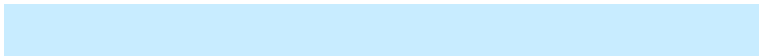
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.7071, 0.3637, 0.3807



81.7071, 0.2759, 0.3490



81.7071, 0.2629, 0.2780



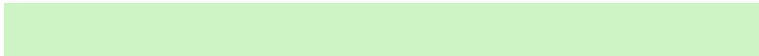
81.7071, 0.3497, 0.3093

Rectangle

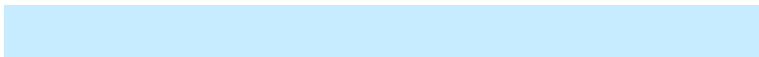
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.7071, 0.3637, 0.3807



81.7071, 0.3158, 0.3809



81.7071, 0.2629, 0.2780



81.7071, 0.3070, 0.2834

Sweetspot

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



81.7099, 0.3637, 0.3807



94.0104, 0.3269, 0.3442



58.3281, 0.3566, 0.3033



19.9219, 0.3293, 0.3468



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

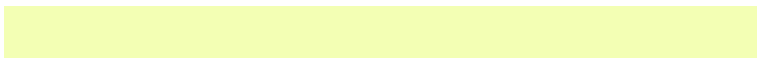
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7099, 0.3637, 0.3807



78.6292, 0.3748, 0.3908



93.7840, 0.3488, 0.4049



20.0525, 0.3277, 0.3451



27.0799, 0.4899, 0.4492



2.8343, 0.4798, 0.4572

Inverse Universe

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



60.1324, 0.2637, 0.2712



54.0276, 0.2536, 0.2581



51.1554, 0.2693, 0.2448



18.3270, 0.2979, 0.3124



7.1345, 0.1623, 0.1042



0.8822, 0.1685, 0.1264

Previews

White Background



This preview shows how the Yxy color 81.7071, 0.3637, 0.3807 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 81.7071, 0.3637, 0.3807 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 81.7071, 0.3637, 0.3807

Background



This preview shows how black text looks on a background with the Yxy color 81.7071, 0.3637, 0.3807.



This preview shows how white text looks on a background with the Yxy color 81.7071, 0.3637, 0.3807.

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

81.7071, 0.3637, 0.3807

Protanopia

81.7538, 0.3581, 0.3825

Deuteranopia

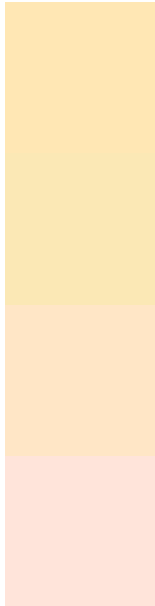
81.9021, 0.3444, 0.3492



Tritanopia

81.8847, 0.3245, 0.3162

Trichromacy



Original Color

81.7071, 0.3637, 0.3807

Protanomaly

81.5587, 0.3598, 0.3812

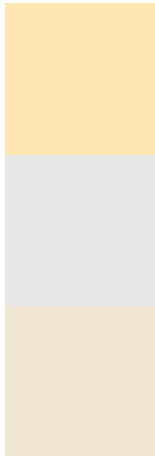
Deuteranomaly

81.9308, 0.3517, 0.3614

Tritanomaly

81.8088, 0.3384, 0.3391

Monochromacy



Original Color

81.7071, 0.3637, 0.3807

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.0426, 0.3305, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7071, 0.3637, 0.3807 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 180) }
```

Border

The CSS property to change the border of an element to Yxy 81.7071, 0.3637, 0.3807 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, 180) }
```

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

```
.border{ border-color:rgb(255, 231, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7071, 0.3637, 0.3807 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
231, 180) }
```

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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