

Converting Colors

$Y_{xy}(82.8233, 0.3743, 0.4011)$

Have a look what the booklet for
Yxy(82.8233, 0.3743, 0.4011)
contains.

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Color

Yxy(82.7500, 0.3741, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	FFEAA3
RGB	255, 234, 163
RGB Percent	100%, 92%, 64%
CMY	0.0000, 0.0823, 0.3609
CMYK	0.00, 0.08, 0.36, 0.00
HSL	46°, 100%, 82%
HSV	46°, 36%, 100%
XYZ	77.2760, 82.7500, 46.5391
YIQ	232.1850, 35.3070, -17.6290

Conversions

Conversions Part 2

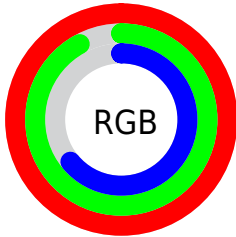
Format	Color
R_{YB}	190, 255, 163
Decimal	16771747
CIE _{Lab}	92.90, -2.75, 37.11
CIE _{LCh}	93, 37.214, 94.241
Yxy	82.7500, 0.3741, 0.4006
Android (android.graphics.Color)	4294961827 (0xFFFFEAA3)
YUV	232.1850, -34.1082, 20.0088
Hunter-Lab	90.9670, -7.5575, 33.3439

Details

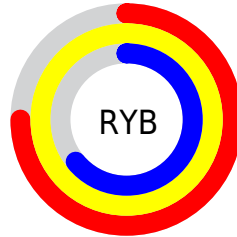
The Yxy color **82.7500, 0.3741, 0.4006** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **49.2756, 0.2501, 0.2451**, and the grayscale version is **81.0812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **44.8369, 0.3874, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **78.6684, 0.3926, 0.4198**, and if you desaturate by 10%, it is **87.1268, 0.3558, 0.3805**.

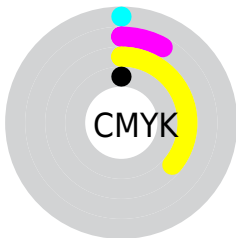
Distribution



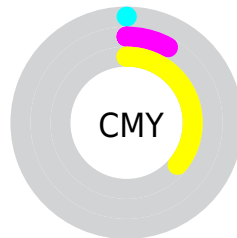
- Red (100%)
- Green (92%)
- Blue (64%)



- Red (75%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (8%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.7500, 0.3741, 0.4006 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 82.7500, 0.3741, 0.4006 by changing the saturation by 10% instead.


 82.7500, 0.3741,
0.4006

 82.7500, 0.3741,
0.4006


504.1530, 0.3469,
0.3685

 61.9839, 0.3799,
0.4076


 137.2253, 0.3650,
0.3897

 45.0197, 0.3869,
0.4160


 171.7032, 0.3613,
0.3854

 31.4730, 0.3953,
0.4262


211.5207, 0.3581,
0.3817

 20.9593, 0.4057,
0.4389

257.0619, 0.3553,
0.3784

 13.0942, 0.4185,
0.4549

308.7113, 0.3529,
0.3755

 7.4935, 0.4341,
0.4751

366.8534, 0.3507,

 3.7726, 0.4642,

0.3729

0.5132

431.8725, 0.3487,
0.3706

■ 1.5472, 0.4706,
0.5294

■ 0.3216, 0.4258,
0.5742

■ 82.7500, 0.3741,
0.4006

■ 82.7500, 0.3741,
0.4006

■ 78.6684, 0.3926,
0.4198

■ 87.1268, 0.3558,
0.3805

■ 74.8667, 0.4108,
0.4370

■ 91.8068, 0.3384,
0.3603

■ 71.3325, 0.4279,
0.4512

■ 96.8016, 0.3220,
0.3406

■ 68.0508, 0.4429,
0.4615

100.0000, 0.3127,
0.3290

■ 65.0042, 0.4552,
0.4670

■ 62.1712, 0.4644,
0.4677

■ 61.1086, 0.4675,
0.4670

Harmonies

Analogous

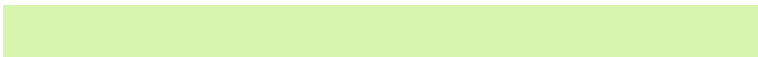
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.7500, 0.3962, 0.3765



82.7500, 0.3741, 0.4006



82.7500, 0.3362, 0.4056

Triad

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



82.7500, 0.3741, 0.4006



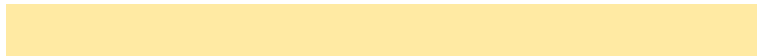
82.7500, 0.2371, 0.3057



82.7500, 0.3280, 0.2806

Complementary

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



82.7500, 0.3741, 0.4006



49.2756, 0.2501, 0.2451

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.



82.7500, 0.2851, 0.2632



82.7500, 0.3741, 0.4006



82.7500, 0.2352, 0.2749

Square

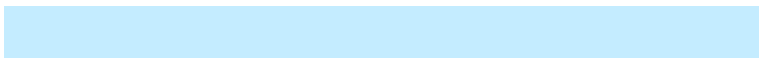
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.7500, 0.3741, 0.4006



82.7500, 0.2578, 0.3472



82.7500, 0.2520, 0.2606



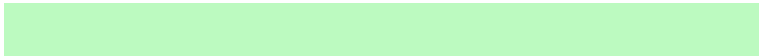
82.7500, 0.3691, 0.3090

Rectangle

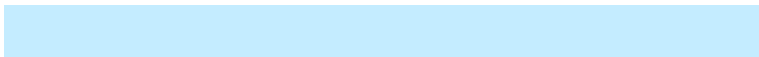
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.7500, 0.3741, 0.4006



82.7500, 0.3076, 0.3951



82.7500, 0.2520, 0.2606



82.7500, 0.3132, 0.2733

Sweetspot

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



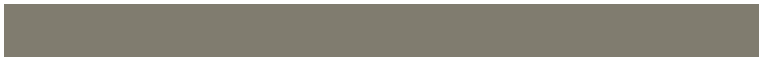
82.7510, 0.3741, 0.4006



94.3074, 0.3299, 0.3502



50.9268, 0.3796, 0.3067



20.0413, 0.3321, 0.3529



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

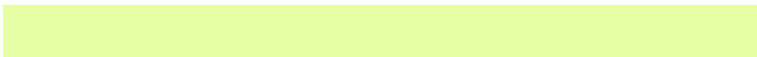
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.7510, 0.3741, 0.4006



79.8979, 0.3869, 0.4140



91.0630, 0.3504, 0.4246



20.3464, 0.3275, 0.3472



32.1669, 0.4665, 0.4678



3.2953, 0.4600, 0.4730

Inverse Universe

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



49.2756, 0.2501, 0.2451



42.1598, 0.2368, 0.2257



44.0374, 0.2639, 0.2245



18.0500, 0.2979, 0.3101



5.5472, 0.1568, 0.0843



0.6963, 0.1623, 0.1044

Previews

White Background



This preview shows how the Yxy color 82.7500, 0.3741, 0.4006 looks on a white background.

Color Contrast Check

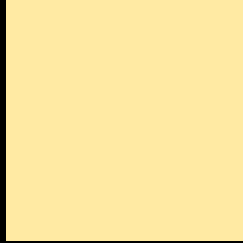
Large Text (above 18pt) WCAG AA × Fail

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 82.7500, 0.3741, 0.4006 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 82.7500, 0.3741, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 82.7500, 0.3741, 0.4006.



This preview shows how white text looks on a background with the Yxy color 82.7500, 0.3741, 0.4006.

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

82.7500, 0.3741, 0.4006

Protanopia

82.9437, 0.3723, 0.4019

Deuteranopia

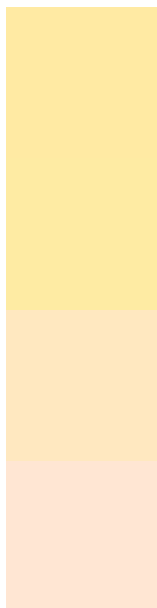
82.9659, 0.3447, 0.3522



Tritanopia

82.4302, 0.3244, 0.3172

Trichromacy



Original Color

82.7500, 0.3741, 0.4006

Protanomaly

83.1318, 0.3730, 0.4017

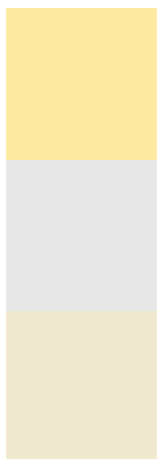
Deuteranomaly

82.7790, 0.3553, 0.3695

Tritanomaly

82.5568, 0.3428, 0.3482

Monochromacy



Original Color

82.7500, 0.3741, 0.4006

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3081, 0.3343, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.7500, 0.3741, 0.4006 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, 234, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 163) }
```

Border

The CSS property to change the border of an element to Yxy 82.7500, 0.3741, 0.4006 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, 234, 163) }
```

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

```
.border{ border-color:rgb(255, 234, 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, 234, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 82.7500, 0.3741, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 163) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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