

Converting Colors

$Y_{xy}(72.6697, 0.4212, 0.4457)$

Have a look what the booklet for
Yxy(72.6697, 0.4212, 0.4457)
contains.

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Color

Yxy(72.7861, 0.4210, 0.4459)

Conversions

Conversions Part 1

Format	Color
Hex	FFDB61
RGB	255, 219, 97
RGB Percent	100%, 86%, 38%
CMY	0.0001, 0.1411, 0.6198
CMYK	0.00, 0.14, 0.62, 0.00
HSL	46°, 100%, 69%
HSV	46°, 62%, 100%
XYZ	68.7216, 72.7861, 21.7265
YIQ	215.8560, 60.6180, -30.3100

Conversions

Conversions Part 2

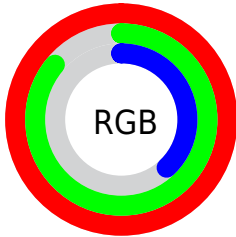
Format	Color
RYB	144, 255, 97
Decimal	16767841
CIELab	88.35, -1.00, 63.04
CIELCh	88, 63.043, 90.907
Yxy	72.7861, 0.4210, 0.4459
Android (android.graphics.Color)	4294957921 (0xFFFFDB61)
YUV	215.8560, -58.5960, 34.3293
Hunter-Lab	85.3148, -5.5180, 44.6214

Details

The Yxy color **72.7861, 0.4210, 0.4459** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **26.5121, 0.2011, 0.1700**, and the grayscale version is **68.9402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0470, 0.3734, 0.4293**, and **38.3131, 0.4408, 0.4668** is the 20% darker color. If you saturate the color by 10%, you get **69.4126, 0.4369, 0.4579**, and if you desaturate by 10%, it is **76.4249, 0.4034, 0.4303**.

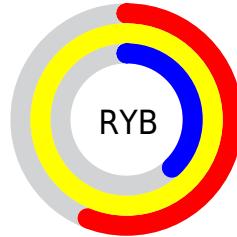
Distribution



Red (100%)

Green (86%)

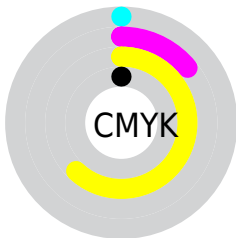
Blue (38%)



Red (56%)

Yellow (100%)

Blue (38%)

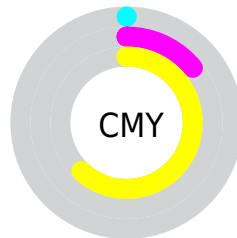


Cyan (0%)

Magenta (14%)

Yellow (62%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7861, 0.4210, 0.4459 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 72.7861, 0.4210, 0.4459 by changing the saturation by 10% instead.


 72.7861, 0.4210,
0.4459

 72.7861, 0.4210,
0.4459

470.2731, 0.3744,
0.3953

 53.8011, 0.4301,
0.4559


 123.1735, 0.4060,
0.4295


 38.4427, 0.4404,
0.4671


 155.3447, 0.3997,
0.4228

 26.3264, 0.4517,
0.4797


 192.6800, 0.3943,
0.4168

 17.0680, 0.4637,
0.4931

 235.5639, 0.3894,
0.4115

 10.2830, 0.4789,
0.5104

284.3808, 0.3850,
0.4068

 5.5870, 0.4834,
0.5166

339.5150, 0.3811,

 2.5956, 0.4822,

0.4026

0.5178

401.3510, 0.3776,
0.3987

■ 0.9245, 0.4801,
0.5199

■ 0.0000, 0.0000,
0.0000

■ 72.7861, 0.4210,
0.4459

■ 72.7861, 0.4210,
0.4459

■ 69.4126, 0.4369,
0.4579

■ 76.4249, 0.4034,
0.4303

■ 66.2776, 0.4504,
0.4654

■ 80.3328, 0.3850,
0.4121

■ 63.3652, 0.4608,
0.4680

■ 84.5262, 0.3665,
0.3924

■ 61.1652, 0.4673,
0.4671

■ 89.0167, 0.3485,
0.3722

■ 93.8153, 0.3315,
0.3521

■ 98.9321, 0.3157,
0.3327

■ 99.9956, 0.3127,
0.3290

Harmonies

Analogous

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



72.7861, 0.4593, 0.3965



72.7861, 0.4210, 0.4459



72.7861, 0.3563, 0.4690

Triad

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



72.7861, 0.4210, 0.4459



72.7861, 0.1883, 0.2910



72.7861, 0.3287, 0.2445

Complementary

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



72.7861, 0.4210, 0.4459



26.5121, 0.2011, 0.1700

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.



72.7861, 0.2564, 0.2190



72.7861, 0.4210, 0.4459



72.7861, 0.1833, 0.2383

Square

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



72.7861, 0.4210, 0.4459



72.7861, 0.2229, 0.3688



72.7861, 0.2063, 0.2156



72.7861, 0.4049, 0.2874

Rectangle

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



72.7861, 0.4210, 0.4459



72.7861, 0.3076, 0.4571



72.7861, 0.2063, 0.2156



72.7861, 0.3029, 0.2338

Sweetspot

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



72.7896, 0.4210, 0.4459



90.4286, 0.3434, 0.3662



31.5148, 0.4642, 0.2938



19.0682, 0.3483, 0.3720



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.



72.7896, 0.4210, 0.4459



68.7718, 0.4399, 0.4598



86.4899, 0.3703, 0.4905



20.3483, 0.3275, 0.3472



32.2026, 0.4664, 0.4679



3.2985, 0.4599, 0.4731

Inverse Universe

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



26.5121, 0.2011, 0.1700



19.3782, 0.1815, 0.1363



21.2587, 0.2181, 0.1406



18.0483, 0.2979, 0.3101



5.5387, 0.1567, 0.0842



0.6952, 0.1623, 0.1043

Previews

White Background



This preview shows how the Yxy color 72.7861, 0.4210, 0.4459 looks on a white background.

Color Contrast Check

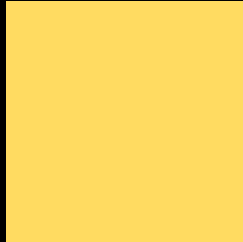
Large Text (above 18pt) WCAG AA × Fail

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 72.7861, 0.4210, 0.4459 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 72.7861, 0.4210, 0.4459

Background



This preview shows how black text looks on a background with the Yxy color 72.7861, 0.4210, 0.4459.



This preview shows how white text looks on a background with the Yxy color 72.7861, 0.4210, 0.4459.

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

72.7861, 0.4210, 0.4459

Protanopia

72.7172, 0.4116, 0.4513

Deuteranopia

72.4695, 0.3815, 0.3836



Tritanopia

72.6271, 0.3381, 0.3170

Trichromacy



Original Color

72.7861, 0.4210, 0.4459

Protanomaly

72.7345, 0.4146, 0.4492

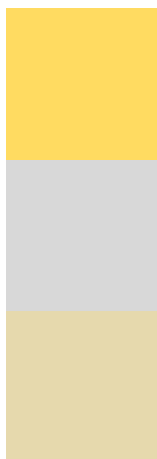
Deuteranomaly

72.2067, 0.3980, 0.4083

Tritanomaly

72.0228, 0.3711, 0.3663

Monochromacy



Original Color

72.7861, 0.4210, 0.4459

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.4658, 0.3533, 0.3776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7861, 0.4210, 0.4459 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, 219, 97)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 97)  
}
```

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, 219, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 97) }
```

Border

The CSS property to change the border of an element to Yxy 72.7861, 0.4210, 0.4459 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, 219, 97) }
```

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

```
.border{ border-color:rgb(255, 219, 97) }
```

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

Here you see how a box with a 4 pixel rgb(255, 219, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 97);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7861, 0.4210, 0.4459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 97) }
```

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

```
.background{ background-color: rgb(255,  
219, 97) }
```

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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