

Converting Colors

$Y_{xy}(121.8061, 0.4835, 0.3654)$

Have a look what the booklet for
Yxy(121.8061, 0.4835, 0.3654)
contains.

Yxy(77.2516, 0.3768, 0.3903)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(77.2516, 0.3768, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	FFE0A4
RGB	255, 224, 164
RGB Percent	100%, 88%, 64%
CMY	0.0002, 0.1215, 0.3569
CMYK	0.00, 0.12, 0.36, 0.00
HSL	40°, 100%, 82%
HSV	40°, 36%, 100%
XYZ	74.5796, 77.2516, 46.0976
YIQ	226.4290, 37.7360, -12.0880

Conversions

Conversions Part 2

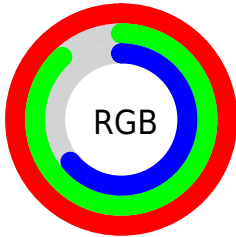
Format	Color
R _Y B	211, 255, 164
Decimal	16769188
CIE Lab	90.44, 2.39, 33.34
CIE LCh	90, 33.421, 85.897
Yxy	77.2516, 0.3768, 0.3903
Android (android.graphics.Color)	4294959268 (0xFFFFE0A4)
YUV	226.4290, -30.7775, 25.0568
Hunter-Lab	87.8929, -2.3503, 30.4289

Details

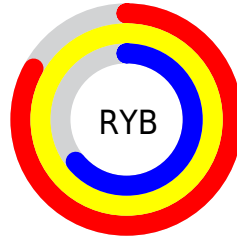
The Yxy color $77.2516, 0.3768, 0.3903$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $54.0955, 0.2527, 0.2586$, and the grayscale version is $76.5842, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.8945, 0.3339, 0.3641$, and $41.4161, 0.3906, 0.4030$ is the 20% darker color. If you saturate the color by 10%, you get $71.8840, 0.3979, 0.4072$, and if you desaturate by 10%, it is $83.0483, 0.3568, 0.3727$.

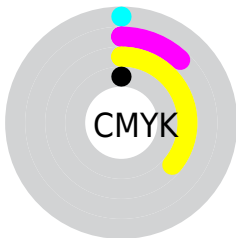
Distribution



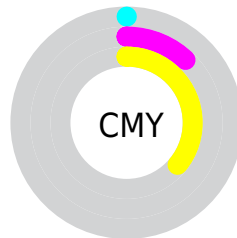
- Red (100%)
- Green (88%)
- Blue (64%)



- Red (83%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (12%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2516, 0.3768, 0.3903 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 77.2516, 0.3768, 0.3903 by changing the saturation by 10% instead.

 77.2516, 0.3768,
0.3903


 77.2516, 0.3768,
0.3903


485.6214, 0.3477,
0.3628

 57.4594, 0.3832,
0.3963


 129.4946, 0.3669,
0.3810

 41.3742, 0.3909,
0.4035


 162.7141, 0.3630,
0.3773

 28.6116, 0.4005,
0.4123


201.1783, 0.3596,
0.3741

 18.7872, 0.4125,
0.4233

245.2714, 0.3566,
0.3713

 11.5166, 0.4278,
0.4370

295.3779, 0.3540,
0.3688

 6.4154, 0.4474,
0.4543

351.8821, 0.3517,

 3.0993, 0.4881,

0.3666

0.4908

415.1685, 0.3496,
0.3646

■ 1.1838, 0.5029,
0.4971

■ 0.0484, 0.6832,
0.3168

■ 77.2516, 0.3768,
0.3903

■ 77.2516, 0.3768,
0.3903

■ 71.8840, 0.3979,
0.4072

■ 83.0483, 0.3568,
0.3727

■ 66.9203, 0.4194,
0.4225

■ 89.2771, 0.3383,
0.3552

■ 62.3482, 0.4406,
0.4350

■ 95.9542, 0.3215,
0.3382

■ 58.1500, 0.4604,
0.4435

99.9888, 0.3127,
0.3290

■ 54.3059, 0.4776,
0.4471

■ 50.7919, 0.4916,
0.4456

■ 49.3605, 0.4969,
0.4437

Harmonies

Analogous

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



77.2516, 0.3914, 0.3652



77.2516, 0.3768, 0.3903



77.2516, 0.3452, 0.4001

Triad

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



77.2516, 0.3768, 0.3903



77.2516, 0.2466, 0.3179



77.2516, 0.3156, 0.2785

Complementary

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



77.2516, 0.3768, 0.3903



54.0955, 0.2527, 0.2586

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.



77.2516, 0.2776, 0.2659



77.2516, 0.3768, 0.3903



77.2516, 0.2398, 0.2859

Square

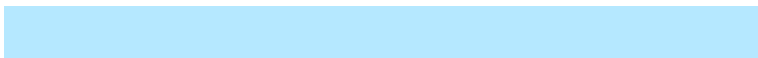
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2516, 0.3768, 0.3903



77.2516, 0.2702, 0.3565



77.2516, 0.2507, 0.2679



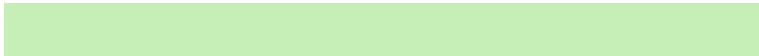
77.2516, 0.3549, 0.3026

Rectangle

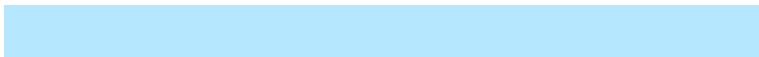
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2516, 0.3768, 0.3903



77.2516, 0.3192, 0.3946



77.2516, 0.2507, 0.2679



77.2516, 0.3022, 0.2728

Sweetspot

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



77.2552, 0.3768, 0.3903



92.3904, 0.3303, 0.3472



51.7745, 0.3684, 0.2960



19.5828, 0.3326, 0.3495



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.



77.2552, 0.3768, 0.3903



73.3184, 0.3922, 0.4028



92.9156, 0.3572, 0.4211



19.9898, 0.3278, 0.3446



26.0934, 0.4952, 0.4450



2.7434, 0.4843, 0.4536

Inverse Universe

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



54.0955, 0.2527, 0.2586



46.9817, 0.2394, 0.2411



43.1862, 0.2569, 0.2237



18.3869, 0.2979, 0.3129



7.5537, 0.1637, 0.1092



0.9285, 0.1699, 0.1316

Previews

White Background



This preview shows how the Yxy color 77.2516, 0.3768, 0.3903 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 77.2516, 0.3768, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

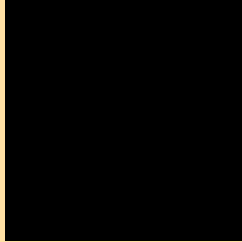
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2516, 0.3768, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 77.2516, 0.3768, 0.3903.



This preview shows how white text looks on a background with the Yxy color 77.2516, 0.3768, 0.3903.

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

77.2516, 0.3768, 0.3903

Protanopia

77.6159, 0.3672, 0.3948

Deuteranopia

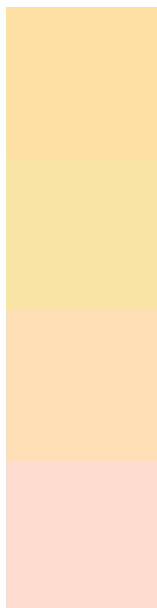
77.3083, 0.3577, 0.3597



Tritanopia

77.1723, 0.3307, 0.3161

Trichromacy



Original Color

77.2516, 0.3768, 0.3903

Protanomaly

77.7945, 0.3706, 0.3932

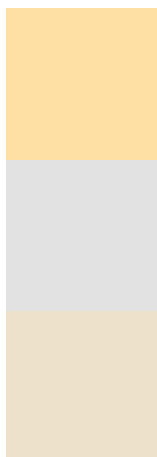
Deuteranomaly

77.4128, 0.3645, 0.3710

Tritanomaly

76.9514, 0.3474, 0.3423

Monochromacy



Original Color

77.2516, 0.3768, 0.3903

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

76.1667, 0.3360, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2516, 0.3768, 0.3903 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, 224, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 164)  
}
```

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, 224, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 164) }
```

Border

The CSS property to change the border of an element to Yxy 77.2516, 0.3768, 0.3903 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, 224, 164) }
```

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

```
.border{ border-color:rgb(255, 224, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 224, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 224, 164); box-shadow:4px 4px 4px 4px rgb(255, 224, 164) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2516, 0.3768, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 164) }
```

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

```
.background{ background-color: rgb(255,  
224, 164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor