

Converting Colors

$Yxy(77.5192, 0.3687, 0.4070)$

Have a look what the booklet for
Yxy(77.5192, 0.3687, 0.4070)
contains.

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Color

Yxy(77.5192, 0.3687, 0.4070)

Conversions

Conversions Part 1

Format	Color
Hex	F0E69C
RGB	240, 230, 156
RGB Percent	94%, 90%, 61%
CMY	0.0590, 0.0980, 0.3882
CMYK	0.00, 0.04, 0.35, 0.06
HSL	53°, 74%, 78%
HSV	53°, 35%, 94%
XYZ	70.2244, 77.5192, 42.7213
YIQ	224.5540, 29.7140, -20.8940

Conversions

Conversions Part 2

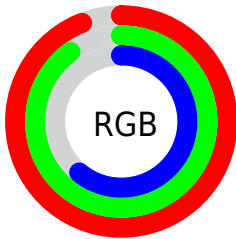
Format	Color
R_{YB}	167, 240, 156
Decimal	15787676
CIE _{Lab}	90.56, -7.30, 37.31
CIE _{LCh}	91, 38.014, 101.064
Yxy	77.5192, 0.3687, 0.4070
Android (android.graphics.Color)	4293977756 (0xFFFF0E69C)
YUV	224.5540, -33.7971, 13.5461
Hunter-Lab	88.0450, -11.7077, 32.8627

Details

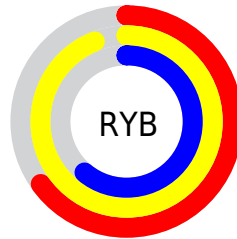
The Yxy color **77.5192, 0.3687, 0.4070** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.6183, 0.2509, 0.2366**, and the grayscale version is **75.1891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **41.7267, 0.3802, 0.4246** is the 20% darker color. If you saturate the color by 10%, you get **75.2187, 0.3850, 0.4283**, and if you desaturate by 10%, it is **80.0132, 0.3521, 0.3846**.

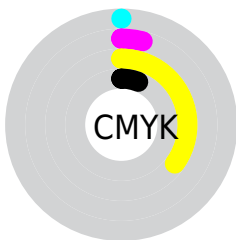
Distribution



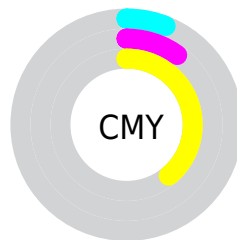
- Red (94%)
- Green (90%)
- Blue (61%)



- Red (65%)
- Yellow (94%)
- Blue (61%)



- Cyan (0%)
- Magenta (4%)
- Yellow (35%)
- Black (6%)





- Cyan (6%)
- Magenta (10%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5192, 0.3687, 0.4070 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 77.5192, 0.3687, 0.4070 by changing the saturation by 10% instead.

 77.5192, 0.3687,
0.4070


 77.5192, 0.3687,
0.4070

486.5324, 0.3438,
0.3713

 57.6791, 0.3740,
0.4149


 129.8721, 0.3603,
0.3948

 41.5507, 0.3804,
0.4246


 163.1537, 0.3570,
0.3899

 28.7497, 0.3880,
0.4365


201.6847, 0.3541,
0.3858

 18.8915, 0.3973,
0.4516

245.8493, 0.3516,
0.3821

 11.5919, 0.4085,
0.4708

296.0319, 0.3493,
0.3789

 6.4665, 0.4216,
0.4957

352.6171, 0.3473,

 3.1307, 0.4519,

0.3761

0.5481

415.9891, 0.3455,
0.3735

■ 1.2004, 0.4382,
0.5618

■ 0.0620, 0.0000,
1.0000

■ 77.5192, 0.3687,
0.4070

■ 77.5192, 0.3687,
0.4070

■ 75.2187, 0.3850,
0.4283

■ 80.0132, 0.3521,
0.3846

■ 73.0914, 0.4003,
0.4475

■ 82.6989, 0.3358,
0.3619


■ 71.1302, 0.4140,
0.4636


■ 85.5881, 0.3202,
0.3397

■ 69.3232, 0.4254,
0.4758

■ 88.6884, 0.3055,
0.3185


 67.6566, 0.4341,
0.4835


 90.5799, 0.3037,
0.3184

 66.1131, 0.4400,
0.4867

 92.3062, 0.3036,
0.3212

 65.3721, 0.4422,
0.4871

 94.0591, 0.3036,
0.3240

 95.8386, 0.3035,
0.3268

 97.2587, 0.3035,
0.3290

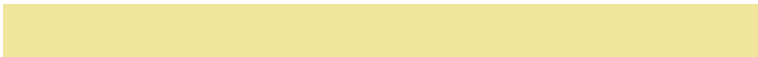
Harmonies

Analogous

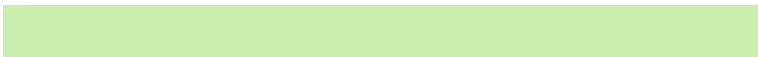
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.5192, 0.3965, 0.3853



77.5192, 0.3687, 0.4070



77.5192, 0.3269, 0.4068

Triad

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



77.5192, 0.3687, 0.4070



77.5192, 0.2318, 0.2959



77.5192, 0.3390, 0.2845

Complementary

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



77.5192, 0.3687, 0.4070



40.6183, 0.2509, 0.2366

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.



77.5192, 0.2935, 0.2634



77.5192, 0.3687, 0.4070



77.5192, 0.2344, 0.2676

Square

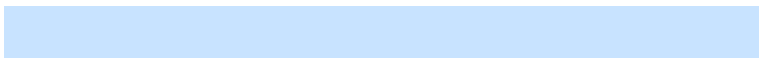
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5192, 0.3687, 0.4070



77.5192, 0.2490, 0.3377



77.5192, 0.2560, 0.2569



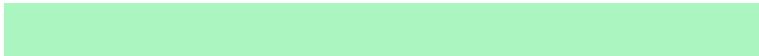
77.5192, 0.3795, 0.3159

Rectangle

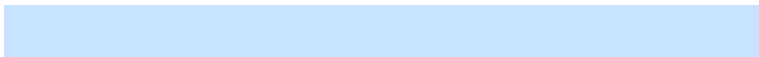
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.5192, 0.3687, 0.4070



77.5192, 0.2972, 0.3918



77.5192, 0.2560, 0.2569



77.5192, 0.3237, 0.2761

Sweetspot

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



77.5227, 0.3687, 0.4070



96.5526, 0.3280, 0.3509



45.0998, 0.3849, 0.3167



20.5667, 0.3302, 0.3540



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

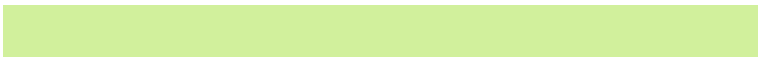
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5227, 0.3687, 0.4070



87.0845, 0.3804, 0.4224



78.2811, 0.3432, 0.4231



18.1206, 0.3271, 0.3496



35.9280, 0.4418, 0.4874



3.0784, 0.4384, 0.4901

Inverse Universe

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



40.6183, 0.2509, 0.2366



38.8529, 0.2363, 0.2139



40.6116, 0.2725, 0.2302



15.5303, 0.2980, 0.3075



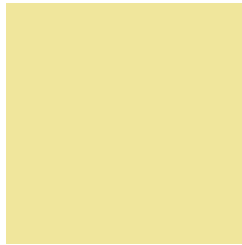
4.0083, 0.1524, 0.0687



0.4308, 0.1572, 0.0859

Previews

White Background



This preview shows how the Yxy color 77.5192, 0.3687, 0.4070 looks on a white background.

Color Contrast Check

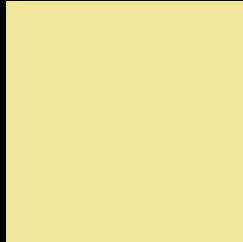
Large Text (above 18pt) WCAG AA × Fail

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 77.5192, 0.3687, 0.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

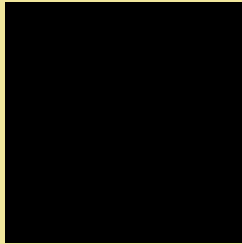
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.5192, 0.3687, 0.4070

Background



This preview shows how black text looks on a background with the Yxy color 77.5192, 0.3687, 0.4070.



This preview shows how white text looks on a background with the Yxy color 77.5192, 0.3687, 0.4070.

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

77.5192, 0.3687, 0.4070

Protanopia

77.6275, 0.3754, 0.4046

Deuteranopia

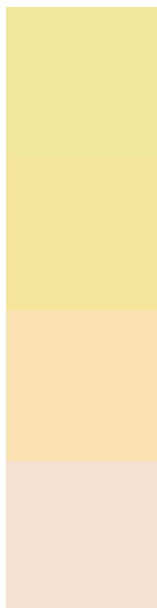
77.2641, 0.3584, 0.3607



Tritanopia

77.4406, 0.3221, 0.3120

Trichromacy



Original Color

77.5192, 0.3687, 0.4070

Protanomaly

77.6383, 0.3728, 0.4062

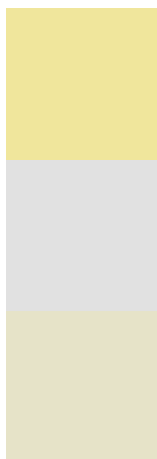
Deuteranomaly

77.3888, 0.3630, 0.3777

Tritanomaly

77.4582, 0.3393, 0.3456

Monochromacy



Original Color

77.5192, 0.3687, 0.4070

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.9313, 0.3326, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5192, 0.3687, 0.4070 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(240, 230, 156)` looks like.

```
.text, #text, p{  
    color:rgb(240, 230, 156)  
}
```

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(240, 230, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 230, 156) }
```

Border

The CSS property to change the border of an element to Yxy 77.5192, 0.3687, 0.4070 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(240, 230, 156) }
```

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

```
.border{ border-color:rgb(240, 230, 156) }
```

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

Here you see how a box with a 4 pixel rgb(240, 230, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 230, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 230, 156);  
box-shadow:4px 4px 4px 4px rgb(240, 230,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5192, 0.3687, 0.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 230, 156) }
```

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

```
.background{ background-color: rgb(240,  
230, 156) }
```

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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