

Converting Colors

$Y_{xy}(61.1913, 0.4073, 0.4174)$

Have a look what the booklet for
Yxy(61.1913, 0.4073, 0.4174)
contains.

Yxy(60.9673, 0.4070, 0.4168) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

Yxy(60.9673, 0.4070, 0.4168)

Conversions

Conversions Part 1	
Format	Color
Hex	EFC876
RGB	239, 200, 118
RGB Percent	94%, 78%, 46%
CMY	0.0626, 0.2157, 0.5372
CMYK	0.00, 0.16, 0.51, 0.06
HSL	41°, 79%, 70%
HSV	41°, 51%, 94%
XYZ	59.5338, 60.9673, 25.7736
YIQ	202.3130, 49.5660, -17.2340

Conversions

Conversions Part 2

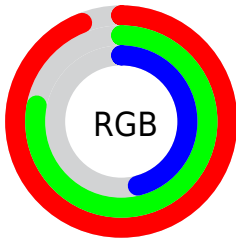
Format	Color
RYB	176, 239, 118
Decimal	15714422
CIELab	82.36, 3.83, 45.87
CIELCh	82, 46.030, 85.222
Yxy	60.9673, 0.4070, 0.4168
Android (android.graphics.Color)	4293904502 (0xFFEFC876)
YUV	202.3130, -41.5663, 32.1745
Hunter-Lab	78.0816, -0.5442, 35.0863

Details

The Yxy color **60.9673, 0.4070, 0.4168** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **34.2274, 0.2255, 0.2197**, and the grayscale version is **59.5148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **30.7868, 0.4287, 0.4349** is the 20% darker color. If you saturate the color by 10%, you get **56.9883, 0.4278, 0.4312**, and if you desaturate by 10%, it is **65.2764, 0.3861, 0.4002**.

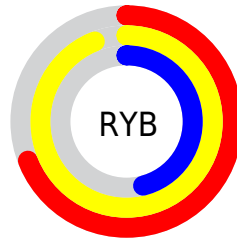
Distribution



Red (94%)

Green (78%)

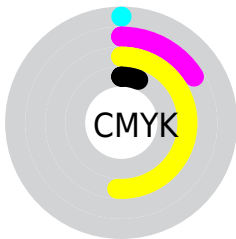
Blue (46%)



Red (69%)

Yellow (94%)

Blue (46%)

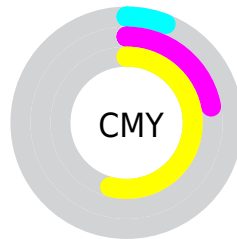


Cyan (0%)

Magenta (16%)

Yellow (51%)

Black (6%)



Cyan (6%)


Magenta (22%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9673, 0.4070, 0.4168 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 60.9673, 0.4070, 0.4168 by changing the saturation by 10% instead.


 60.9673, 0.4070,
0.4168

 60.9673, 0.4070,
0.4168


428.1541, 0.3633,
0.3769


 44.1988, 0.4166,
0.4253

 106.2316, 0.3921,
0.4033

 30.8268, 0.4280,
0.4354


 135.4961, 0.3862,
0.3980

 20.4670, 0.4418,
0.4472


 169.6948, 0.3811,
0.3933

 12.7350, 0.4583,
0.4608

209.2121, 0.3766,
0.3892

 7.2463, 0.4781,
0.4763

254.4322, 0.3727,
0.3856

 3.6166, 0.5045,
0.4955


305.7396, 0.3692,


 1.4615, 0.5105,


0.3823


0.4895


363.5188, 0.3661,
0.3794


 0.2614, 0.5668,
0.4332


 0.0000, 0.0000,
0.0000


 60.9673, 0.4070,
0.4168


 60.9673, 0.4070,
0.4168


 56.9883, 0.4278,
0.4312

 65.2764, 0.3861,
0.4002


 53.3170, 0.4477,
0.4422


 69.9195, 0.3660,
0.3826


 49.9410, 0.4656,
0.4488


 74.9109, 0.3470,
0.3646

 46.8421, 0.4805,
0.4504

 80.2617, 0.3295,
0.3469

 44.1646, 0.4918,
0.4477

 85.9818, 0.3137,
0.3300

 91.6591, 0.3031,
0.3204

 96.4574, 0.3030,
0.3280

 97.0992, 0.3030,
0.3290

Harmonies

Analogous

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



60.9673, 0.4297, 0.3775



60.9673, 0.4070, 0.4168



60.9673, 0.3597, 0.4363

Triad

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



60.9673, 0.4070, 0.4168



60.9673, 0.2172, 0.3116



60.9673, 0.3145, 0.2561

Complementary

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



60.9673, 0.4070, 0.4168



34.2274, 0.2255, 0.2197

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.



60.9673, 0.2596, 0.2385



60.9673, 0.4070, 0.4168



60.9673, 0.2078, 0.2648

Square

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



60.9673, 0.4070, 0.4168



60.9673, 0.2505, 0.3716



60.9673, 0.2225, 0.2405



60.9673, 0.3741, 0.2892

Rectangle

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



60.9673, 0.4070, 0.4168



60.9673, 0.3216, 0.4304



60.9673, 0.2225, 0.2405



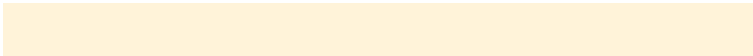
60.9673, 0.2948, 0.2483

Sweetspot

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



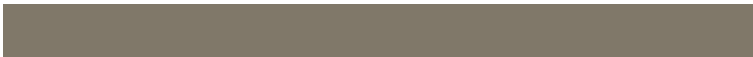
60.9702, 0.4070, 0.4168



90.1519, 0.3371, 0.3547



33.8007, 0.4073, 0.2850



19.0166, 0.3408, 0.3584



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.



60.9702, 0.4070, 0.4168



65.7360, 0.4290, 0.4319



78.1108, 0.3718, 0.4586



17.5488, 0.3276, 0.3449



24.6433, 0.4904, 0.4488



2.2295, 0.4787, 0.4581

Inverse Universe

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



34.2274, 0.2255, 0.2197



31.5996, 0.2071, 0.1920



24.6146, 0.2296, 0.1734



16.0616, 0.2980, 0.3125



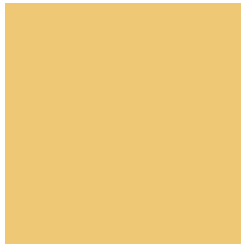
6.5980, 0.1626, 0.1053



0.7225, 0.1698, 0.1313

Previews

White Background



This preview shows how the Yxy color 60.9673, 0.4070, 0.4168 looks on a white background.

Color Contrast Check

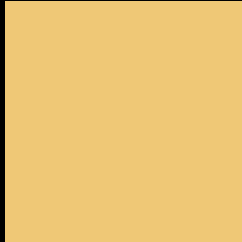
Large Text (above 18pt) WCAG AA × Fail

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 60.9673, 0.4070, 0.4168 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 60.9673, 0.4070, 0.4168

Background



This preview shows how black text looks on a background with the Yxy color 60.9673, 0.4070, 0.4168.



This preview shows how white text looks on a background with the Yxy color 60.9673, 0.4070, 0.4168.

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

60.9673, 0.4070, 0.4168

Protanopia

61.0263, 0.3911, 0.4241

Deuteranopia

61.1358, 0.4178, 0.4087



Tritanopia

60.9607, 0.3489, 0.3143

Trichromacy



Original Color

60.9673, 0.4070, 0.4168

Protanomaly

60.8668, 0.3970, 0.4216

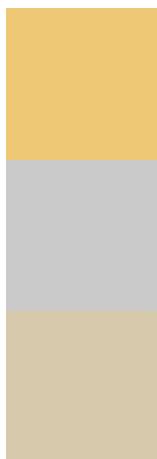
Deuteranomaly

60.8572, 0.4138, 0.4108

Tritanomaly

60.8338, 0.3710, 0.3519

Monochromacy



Original Color

60.9673, 0.4070, 0.4168

Achromatopsia

59.0619, 0.3127, 0.3290

Achromatomaly

59.1606, 0.3464, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9673, 0.4070, 0.4168 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(239, 200, 118)` looks like.

```
.text, #text, p{  
    color:rgb(239, 200, 118)  
}
```

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(239, 200, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 200, 118) }
```

Border

The CSS property to change the border of an element to Yxy 60.9673, 0.4070, 0.4168 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(239, 200, 118) }
```

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

```
.border{ border-color:rgb(239, 200, 118) }
```

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

Here you see how a box with a 4 pixel rgb(239, 200, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 200, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 200, 118);  
box-shadow:4px 4px 4px 4px rgb(239, 200,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9673, 0.4070, 0.4168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 200, 118) }
```

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

```
.background{ background-color: rgb(239,  
200, 118) }
```

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