

Converting Colors

Yxy(59.8651, 0.4027, 0.4151)

Have a look what the booklet for
Yxy(59.8651, 0.4027, 0.4151)
contains.

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Color

Yxy(59.8651, 0.4027, 0.4151)

Conversions

Conversions Part 1

Format	Color
Hex	EBC778
RGB	235, 199, 120
RGB Percent	92%, 78%, 47%
CMY	0.0784, 0.2196, 0.5292
CMYK	0.00, 0.15, 0.49, 0.08
HSL	41°, 74%, 70%
HSV	41°, 49%, 92%
XYZ	58.0768, 59.8651, 26.2766
YIQ	200.7580, 46.8150, -16.9370

Conversions

Conversions Part 2

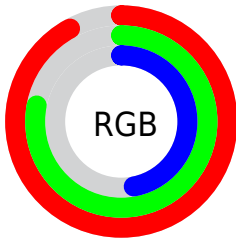
Format	Color
RYB	172, 235, 120
Decimal	15452024
CIELab	81.76, 2.89, 44.04
CIELCh	82, 44.136, 86.252
Yxy	59.8651, 0.4027, 0.4151
Android (android.graphics.Color)	4293642104 (0xFFEBC778)
YUV	200.7580, -39.8137, 30.0302
Hunter-Lab	77.3725, -1.4176, 34.0252

Details

The Yxy color **59.8651, 0.4027, 0.4151** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.7850, 0.2283, 0.2227**, and the grayscale version is **58.4842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8360, 0.3608, 0.4086**, and **30.0276, 0.4236, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **56.0604, 0.4233, 0.4301**, and if you desaturate by 10%, it is **63.9792, 0.3822, 0.3981**.

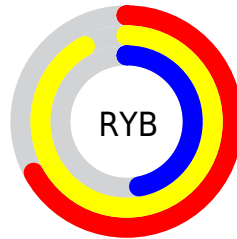
Distribution



Red (92%)

Green (78%)

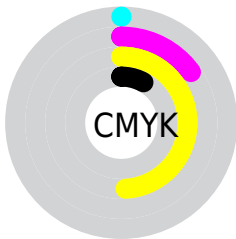
Blue (47%)



Red (67%)

Yellow (92%)

Blue (47%)

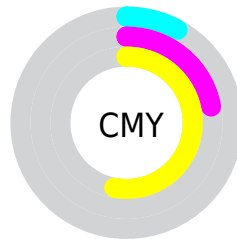


Cyan (0%)

Magenta (15%)

Yellow (49%)

Black (8%)



Cyan (8%)


Magenta (22%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8651, 0.4027, 0.4151 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 59.8651, 0.4027, 0.4151 by changing the saturation by 10% instead.

 59.8651, 0.4027,
0.4151


 59.8651, 0.4027,
0.4151


424.1004, 0.3608,
0.3755


 43.3099, 0.4120,
0.4237


 104.6340, 0.3883,
0.4017

 30.1284, 0.4231,
0.4339


 133.6164, 0.3827,
0.3963

 19.9360, 0.4366,
0.4460


 167.5101, 0.3778,
0.3917

 12.3486, 0.4528,
0.4602

206.6993, 0.3735,
0.3877

 6.9815, 0.4723,
0.4766

251.5686, 0.3697,
0.3841

 3.4505, 0.5005,
0.4995

302.5023, 0.3664,

 1.3712, 0.5052,

0.3809

0.4948

359.8847, 0.3634,
0.3781

0.1954, 0.5673,
0.4327

0.0000, 0.0000,
0.0000

59.8651, 0.4027,
0.4151

59.8651, 0.4027,
0.4151

56.0604, 0.4233,
0.4301

63.9792, 0.3822,
0.3981

52.5439, 0.4430,
0.4420


68.4060, 0.3624,
0.3801

49.3043, 0.4608,
0.4496


73.1588, 0.3438,
0.3619

46.3251, 0.4759,
0.4523

78.2479, 0.3267,
0.3442


 43.5826, 0.4879,
0.4502

 83.6827, 0.3111,
0.3272

 43.2969, 0.4891,
0.4498

 89.0767, 0.3006,
0.3172

 93.5736, 0.3005,
0.3245

 96.4023, 0.3005,
0.3290

Harmonies

Analogous

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



59.8651, 0.4254, 0.3777



59.8651, 0.4027, 0.4151



59.8651, 0.3565, 0.4325

Triad

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



59.8651, 0.4027, 0.4151



59.8651, 0.2196, 0.3106



59.8651, 0.3165, 0.2592

Complementary

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



59.8651, 0.4027, 0.4151



33.7850, 0.2283, 0.2227

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.



59.8651, 0.2631, 0.2416



59.8651, 0.4027, 0.4151



59.8651, 0.2112, 0.2660

Square

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



59.8651, 0.4027, 0.4151



59.8651, 0.2513, 0.3681



59.8651, 0.2262, 0.2430



59.8651, 0.3738, 0.2919

Rectangle

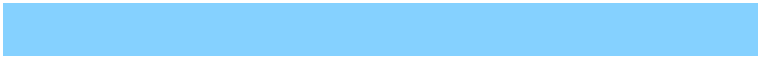
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.8651, 0.4027, 0.4151



59.8651, 0.3196, 0.4258



59.8651, 0.2262, 0.2430



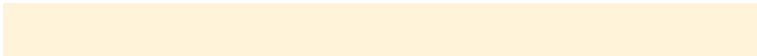
59.8651, 0.2975, 0.2515

Sweetspot

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



59.8679, 0.4027, 0.4151



90.3715, 0.3370, 0.3550



33.5212, 0.4047, 0.2885



19.0697, 0.3407, 0.3588



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.



59.8679, 0.4027, 0.4151



67.3283, 0.4240, 0.4306



75.0590, 0.3687, 0.4551



16.7850, 0.3276, 0.3451



24.3348, 0.4877, 0.4509



2.0815, 0.4759, 0.4603

Inverse Universe

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



33.7850, 0.2283, 0.2227



32.5427, 0.2101, 0.1954



25.1148, 0.2345, 0.1800



15.3185, 0.2980, 0.3123



6.2342, 0.1620, 0.1031



0.6559, 0.1696, 0.1305

Previews

White Background



This preview shows how the Yxy color 59.8651, 0.4027, 0.4151 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 59.8651, 0.4027, 0.4151 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 59.8651, 0.4027, 0.4151

Background



This preview shows how black text looks on a background with the Yxy color 59.8651, 0.4027, 0.4151.



This preview shows how white text looks on a background with the Yxy color 59.8651, 0.4027, 0.4151.

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

59.8651, 0.4027, 0.4151

Protanopia

59.8050, 0.3890, 0.4207

Deuteranopia

59.7382, 0.4150, 0.4057



Tritanopia

59.8095, 0.3458, 0.3130

Trichromacy



Original Color

59.8651, 0.4027, 0.4151

Protanomaly

59.9524, 0.3936, 0.4195

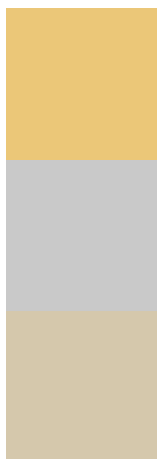
Deuteranomaly

59.9150, 0.4105, 0.4088

Tritanomaly

59.6823, 0.3680, 0.3511

Monochromacy



Original Color

59.8651, 0.4027, 0.4151

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.4332, 0.3442, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8651, 0.4027, 0.4151 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(235, 199, 120)` looks like.

```
.text, #text, p{  
    color:rgb(235, 199, 120)  
}
```

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(235, 199, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 199, 120) }
```

Border

The CSS property to change the border of an element to Yxy 59.8651, 0.4027, 0.4151 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(235, 199, 120) }
```

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

```
.border{ border-color:rgb(235, 199, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 199, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 199, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 199, 120);  
box-shadow:4px 4px 4px 4px rgb(235, 199,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8651, 0.4027, 0.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 199, 120) }
```

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

```
.background{ background-color: rgb(235,  
199, 120) }
```

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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